

FIGURE 1

2050E074056660

TM-020 Mode Cavity with Inner Cylinder

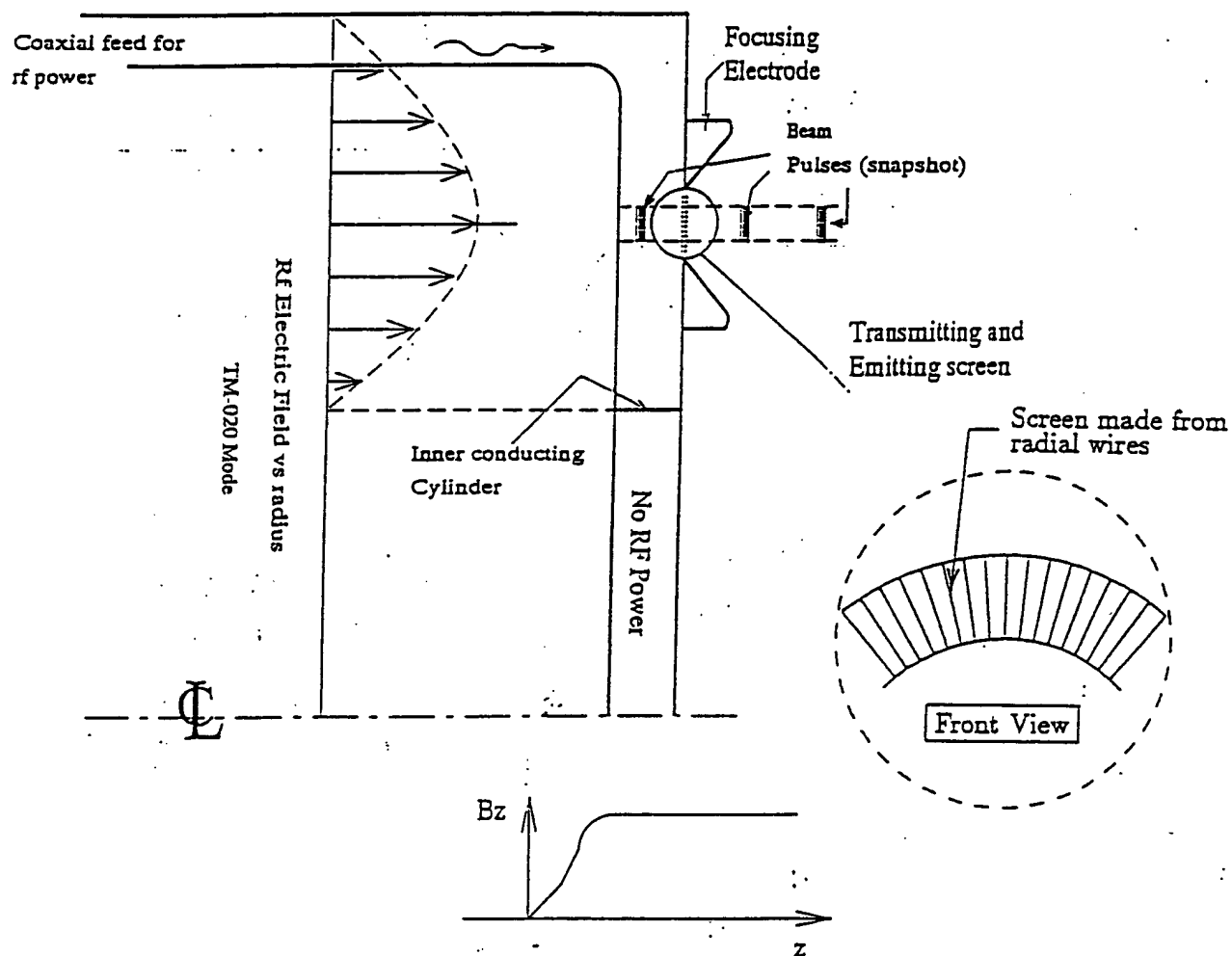


FIGURE 2

2050ED 2205660

OSCILLATING
MEANS
22
OSCILLATING E
FIELD 26

OSCILLATING
B FIELD 28
MEANS

RF cavity
(side view)

10
↓

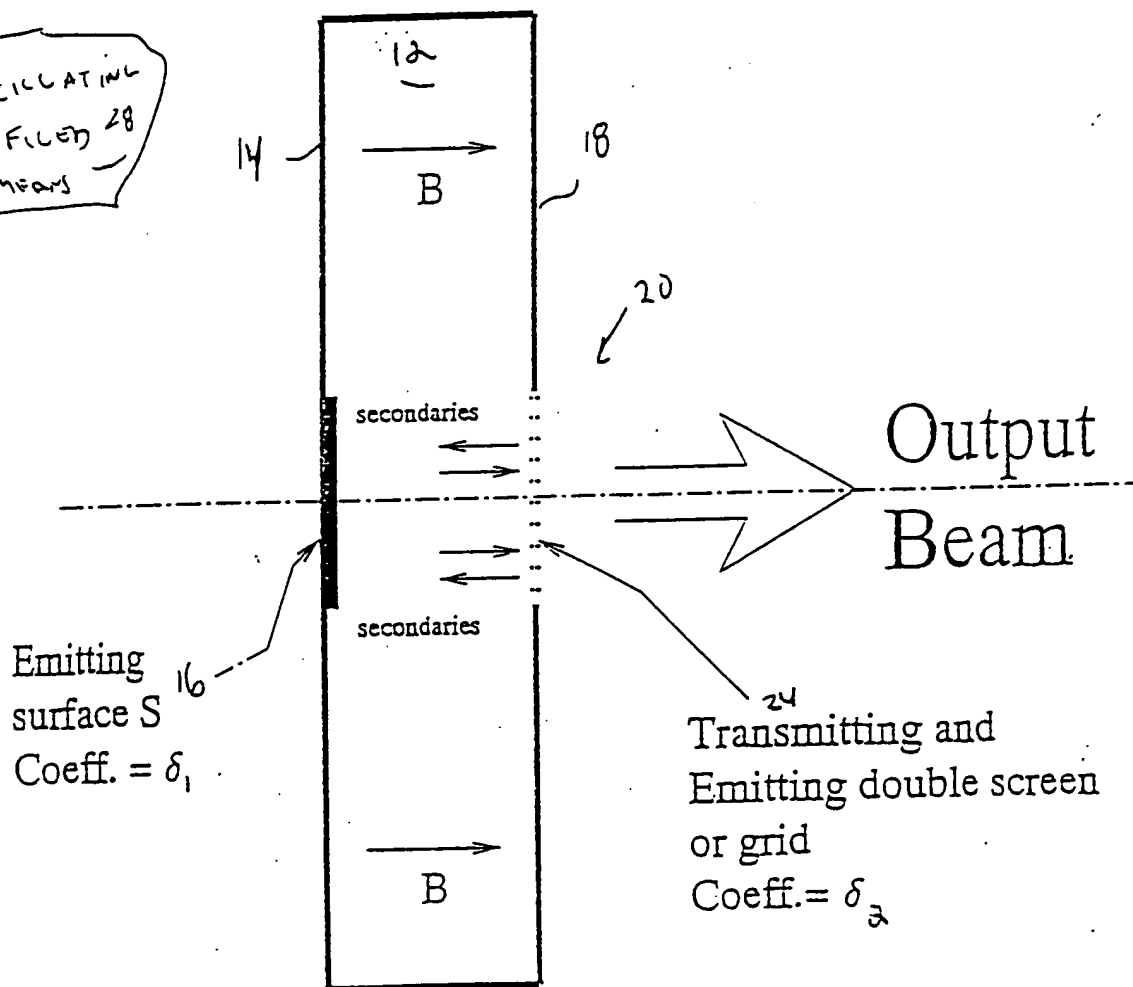


FIGURE 3

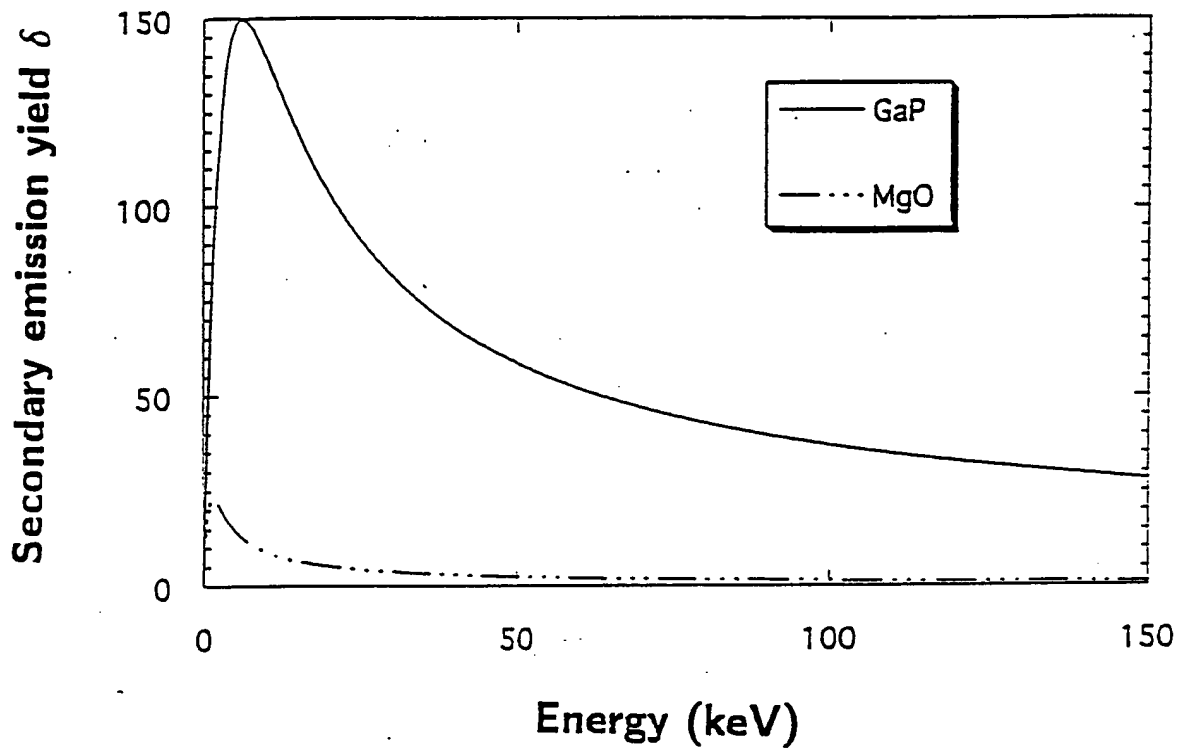


FIGURE 4

2050E07 2056660

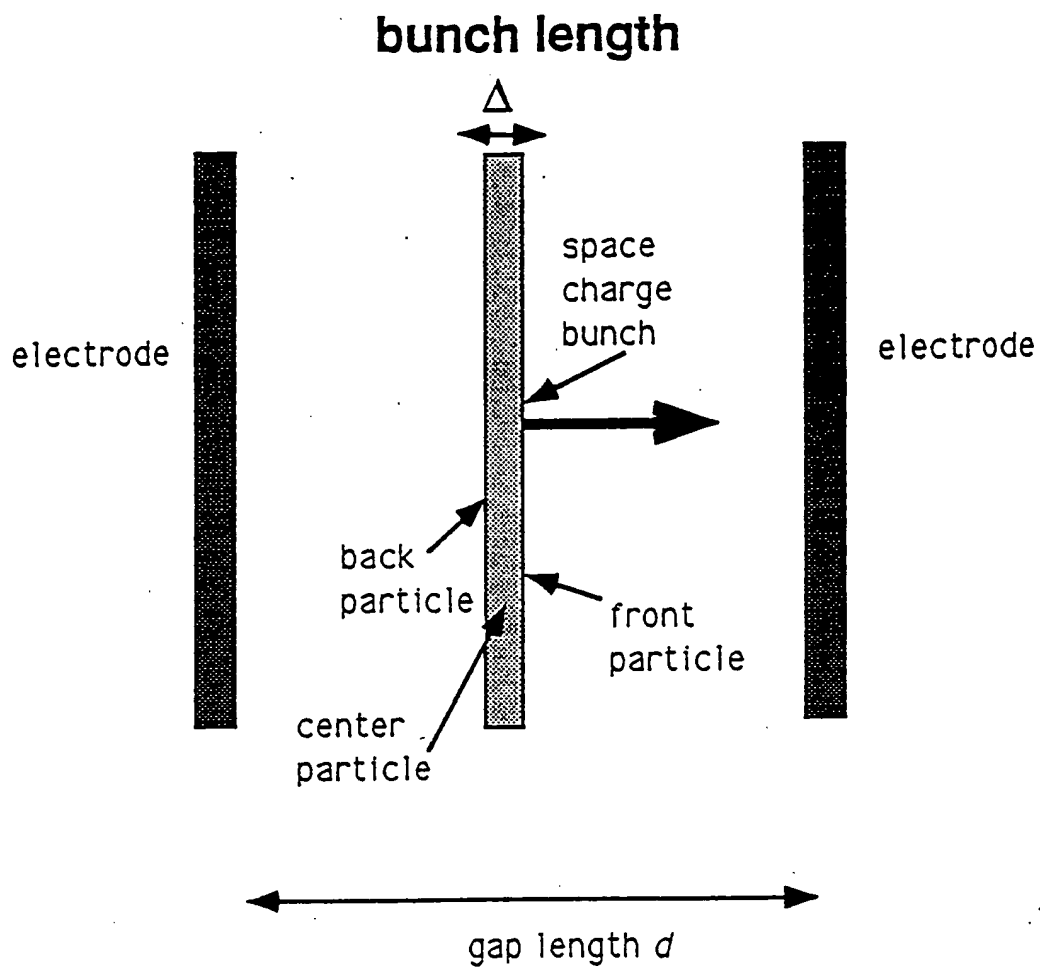


FIGURE 5

2050E0" 4256660

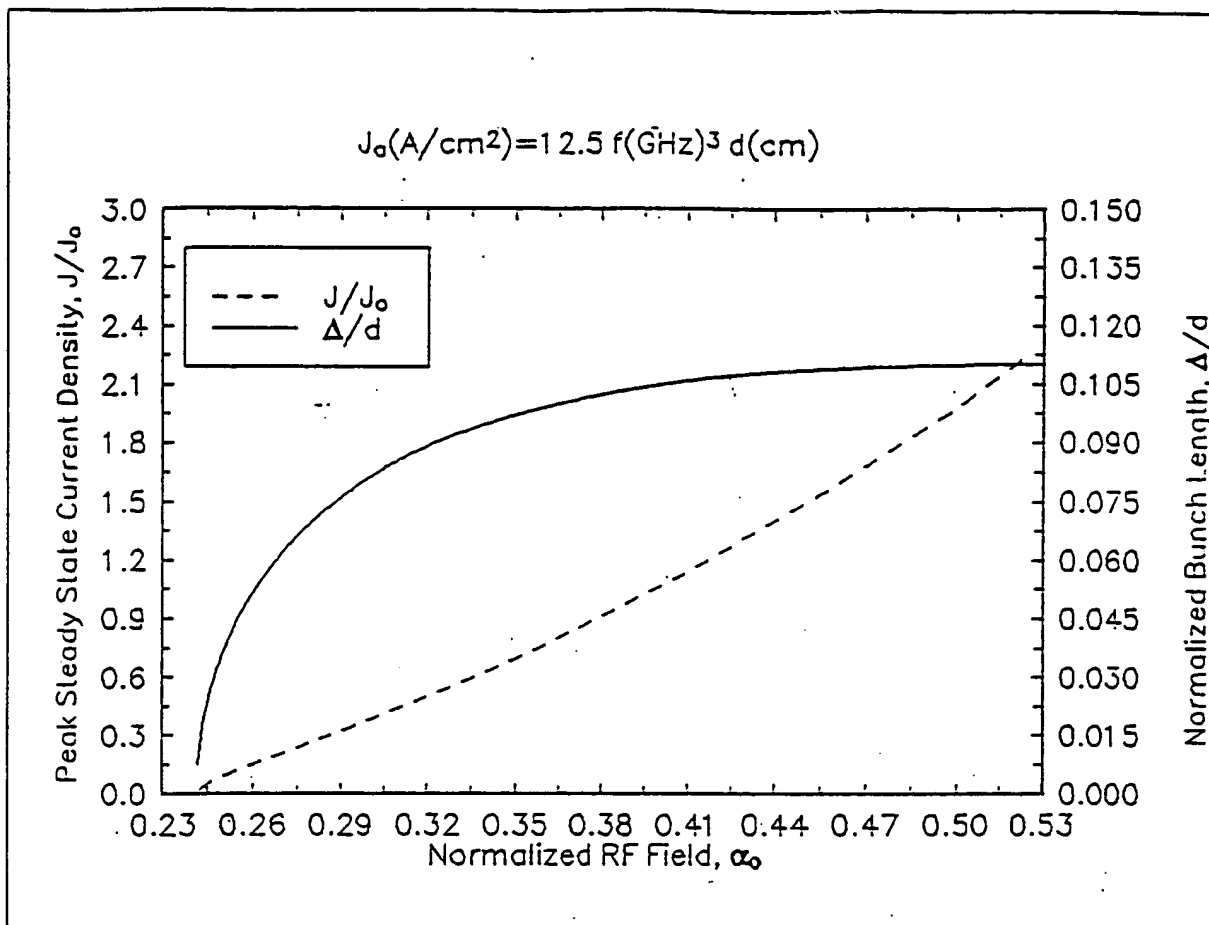


FIGURE 6

2050E0" 2056660

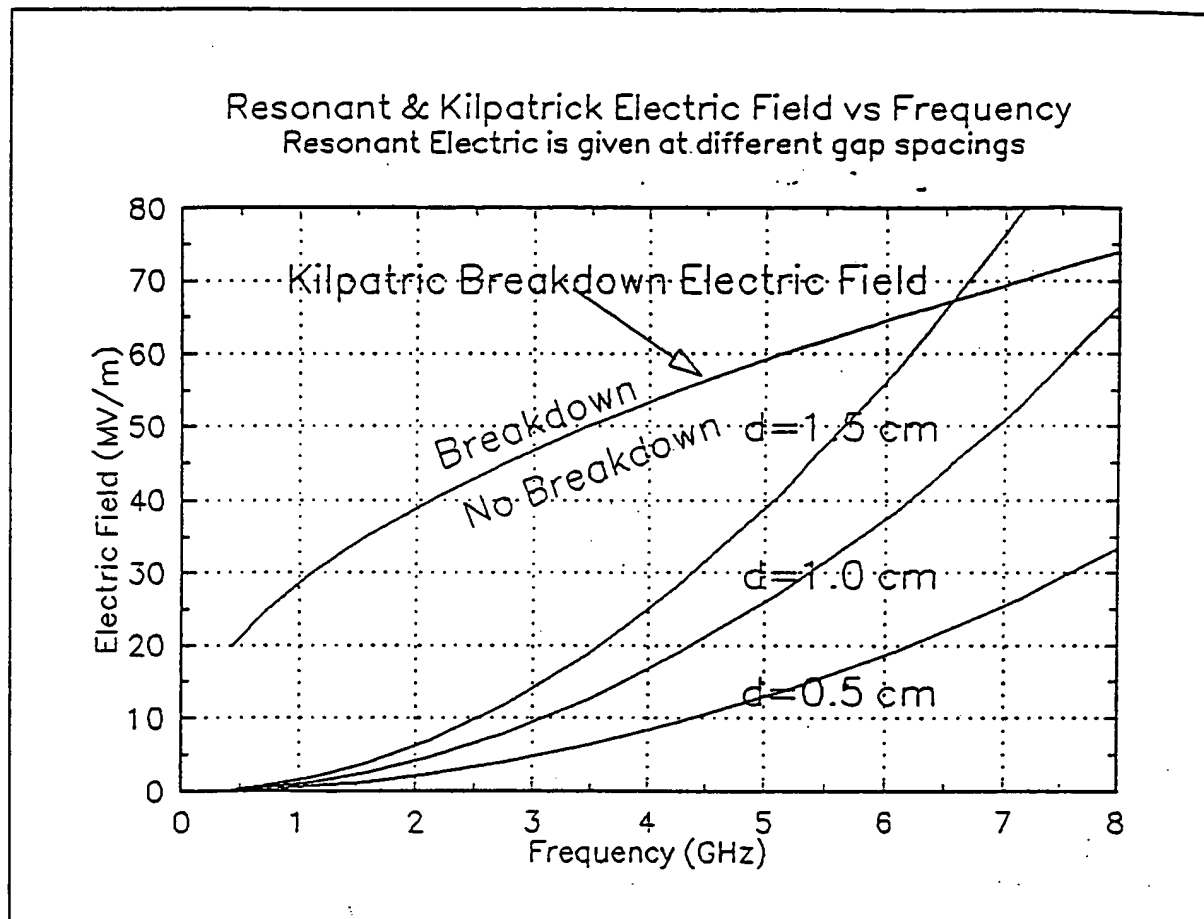


FIGURE 7

1.3 GHz, xy plot

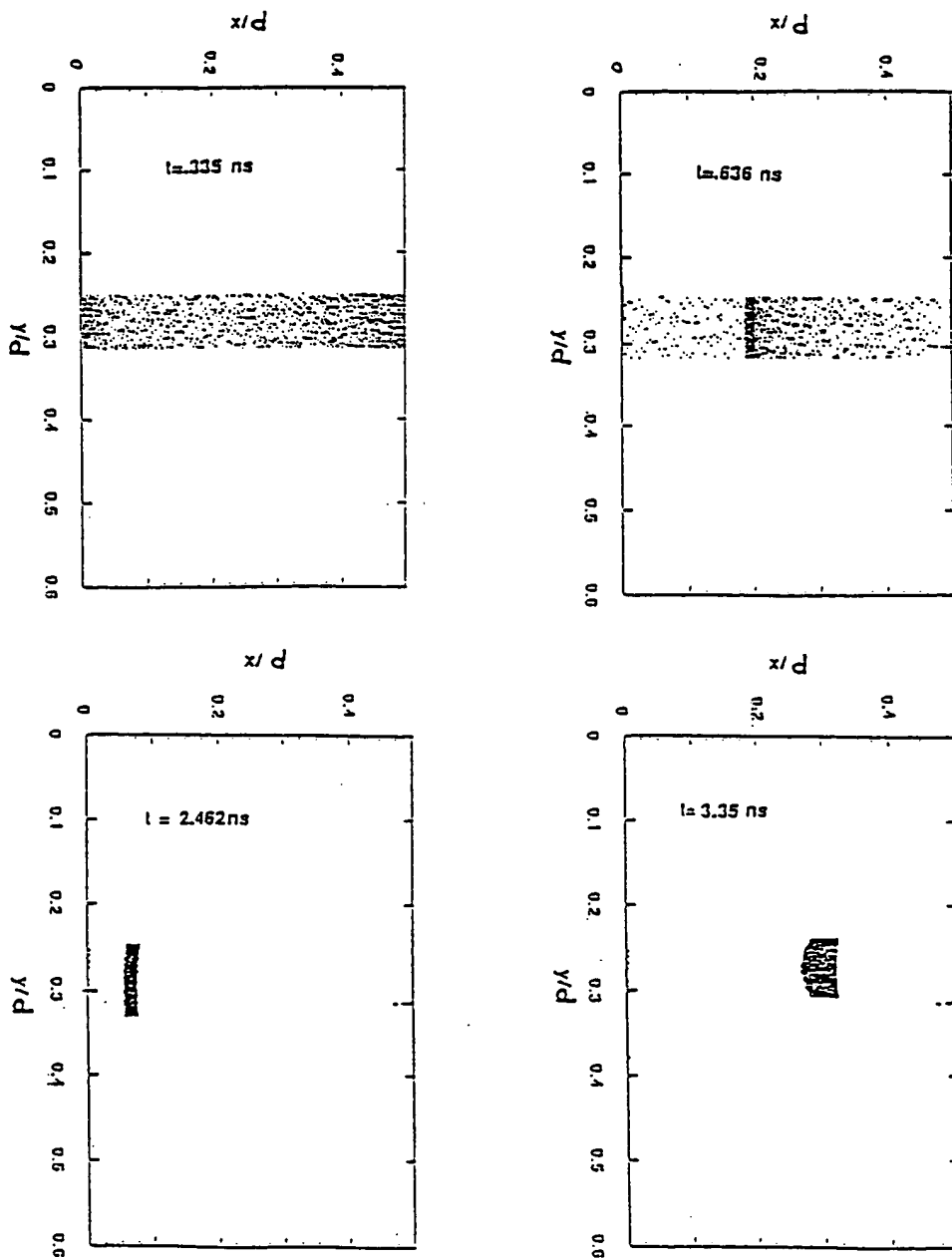


FIGURE 8

09095077 030502

2050E0 44056660

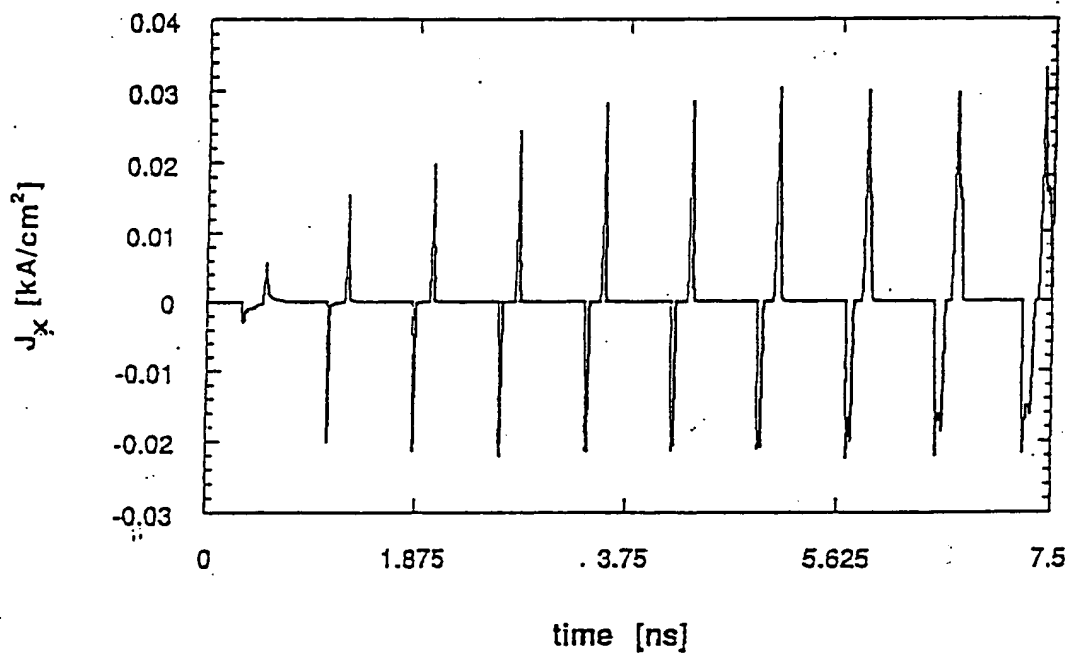


FIGURE 9

205050" 44056660

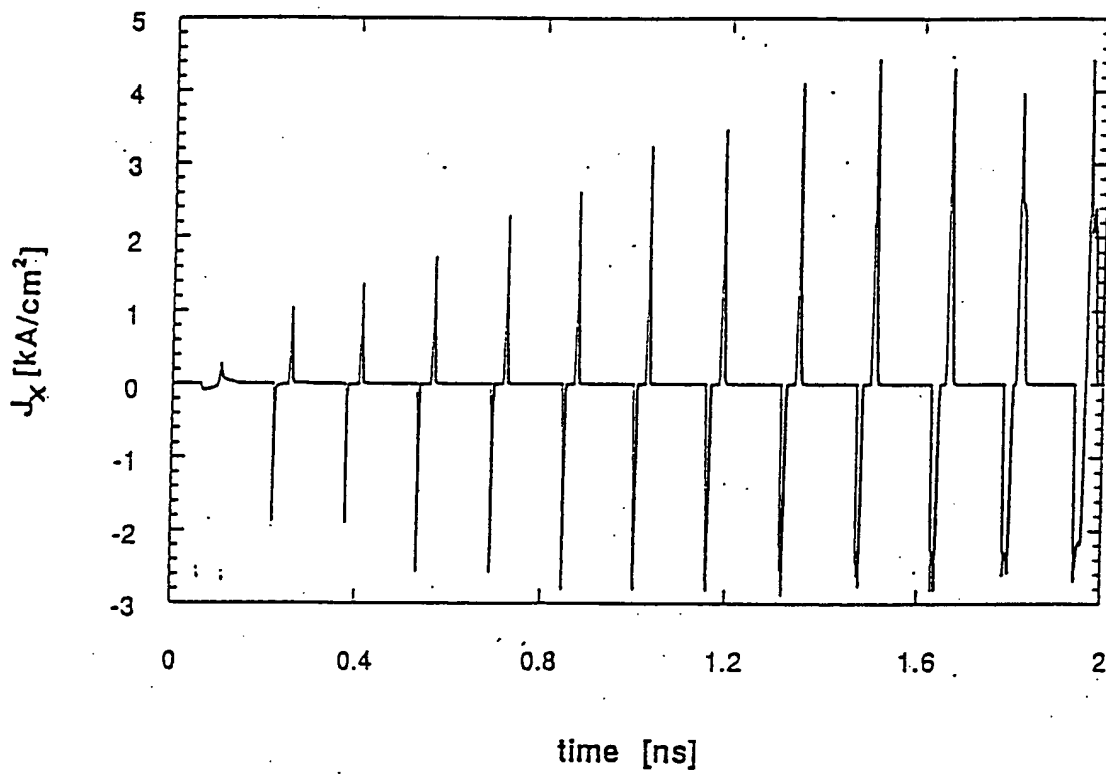


FIGURE 10

2050E0" 44056660

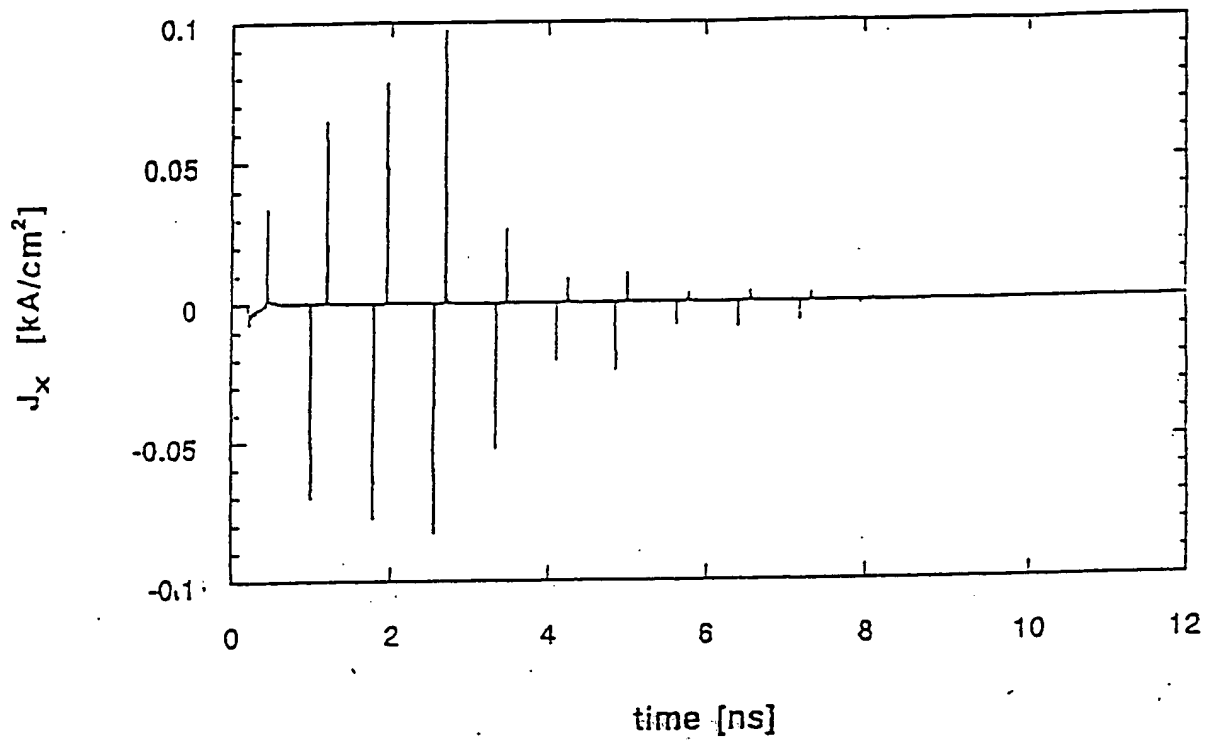


FIGURE 11

2050E04056660

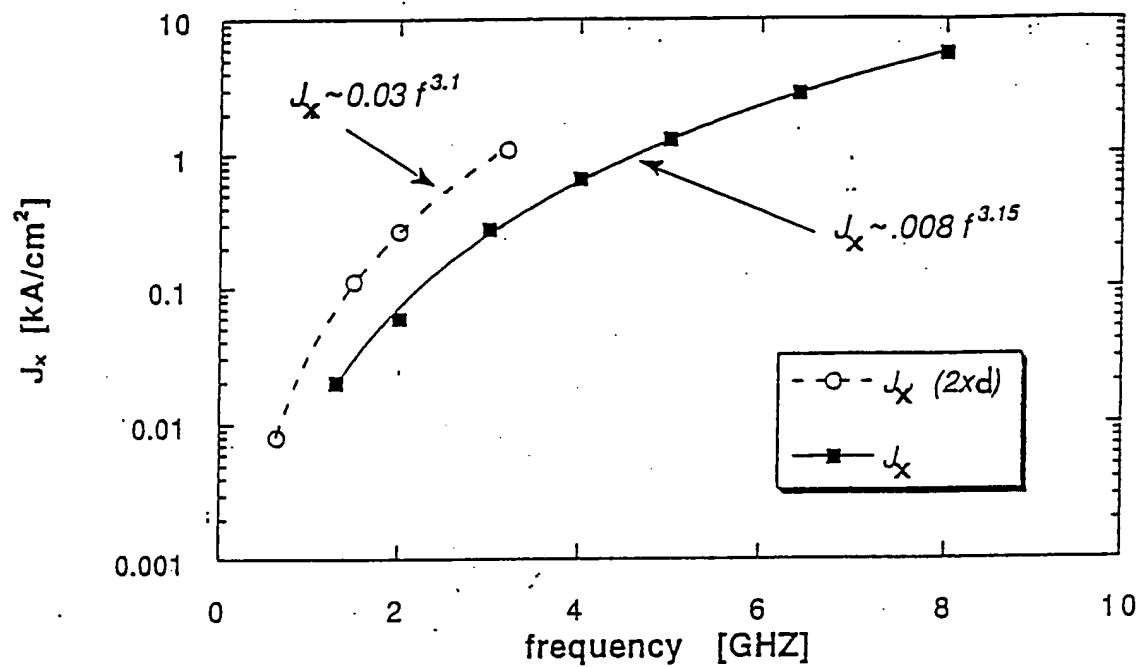


FIGURE 12

205060 205560

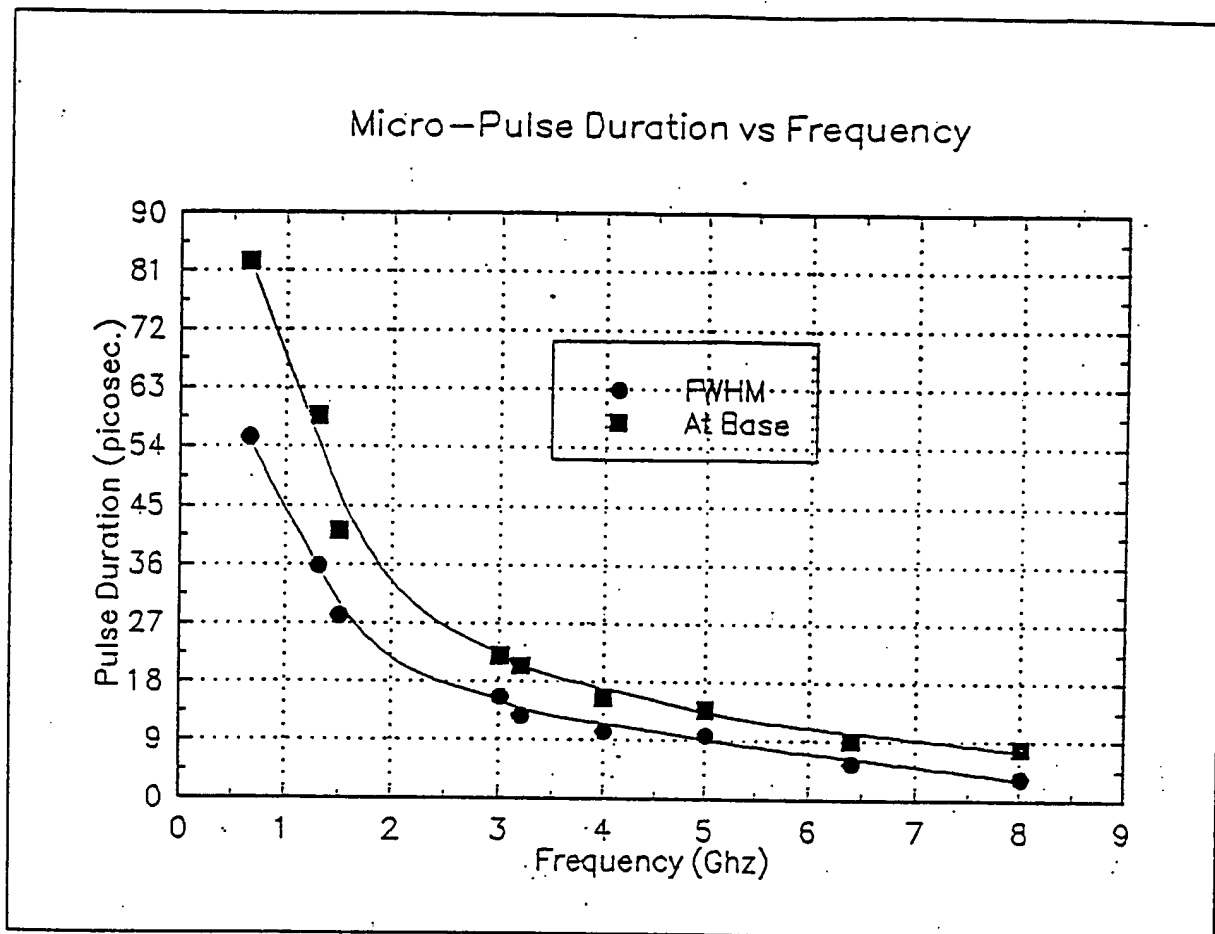


FIGURE 13

2050ED 205660

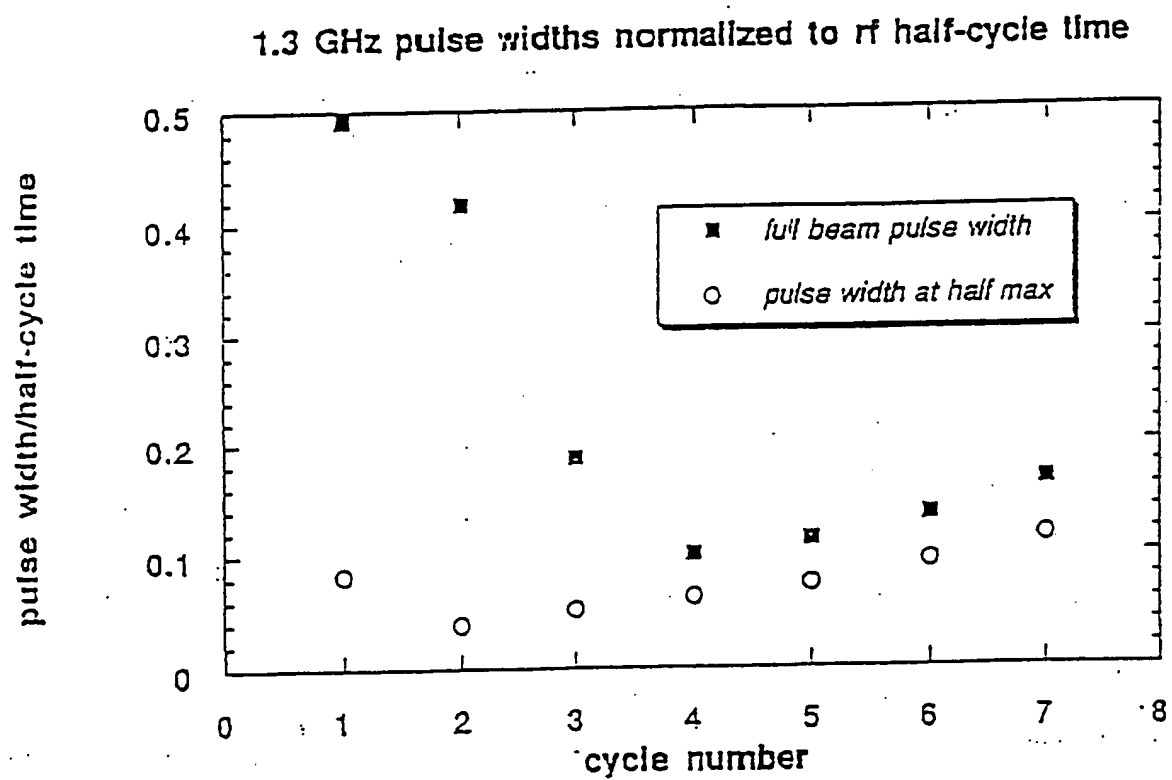


FIGURE 14

2050E0" 44056660

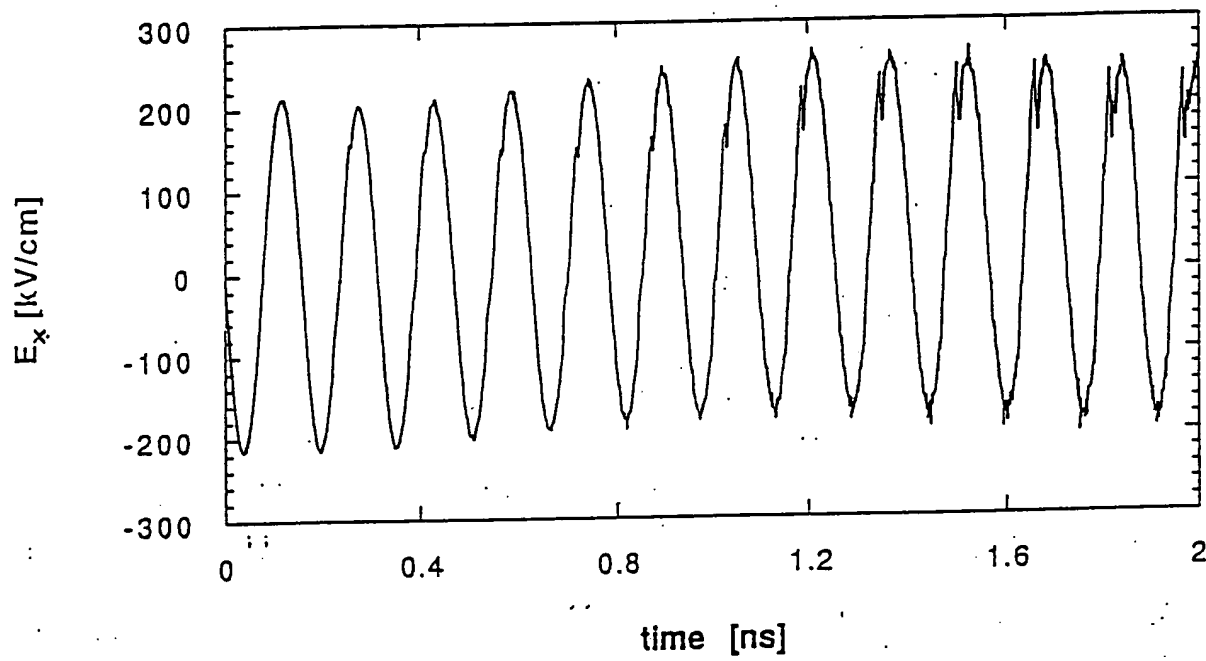


FIGURE 15

2050E07.0350

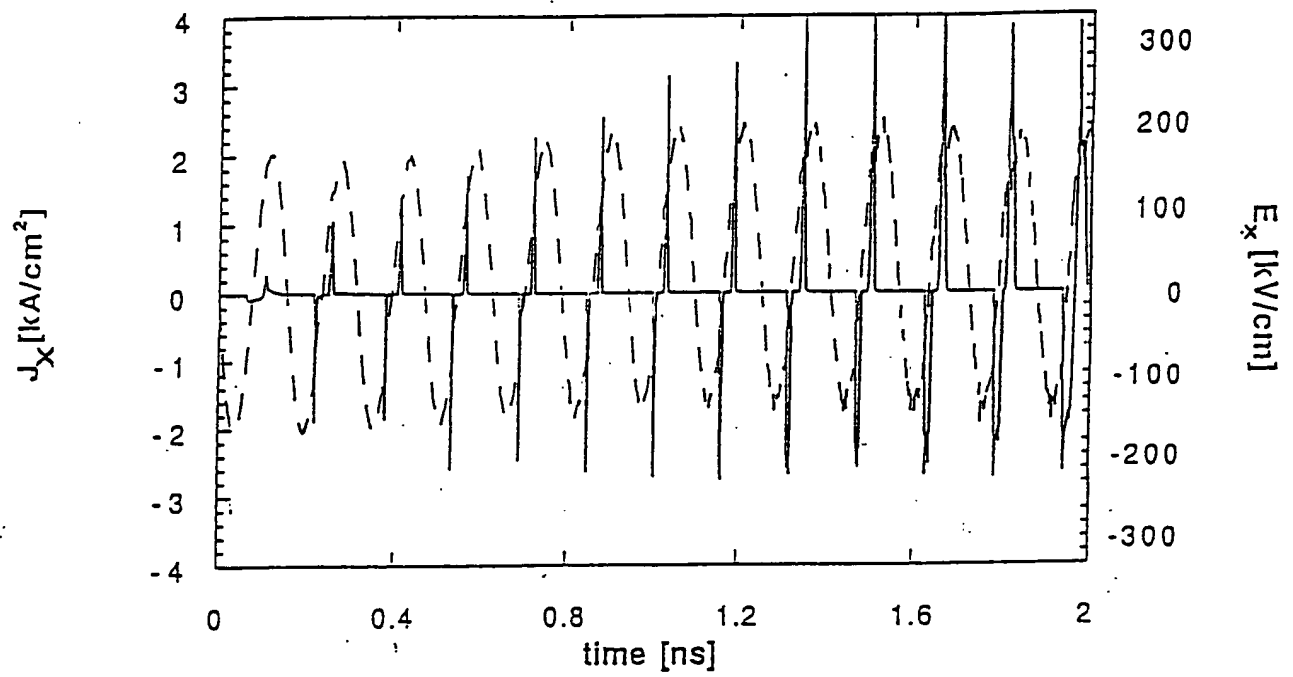


FIGURE 16

205020" 2055550

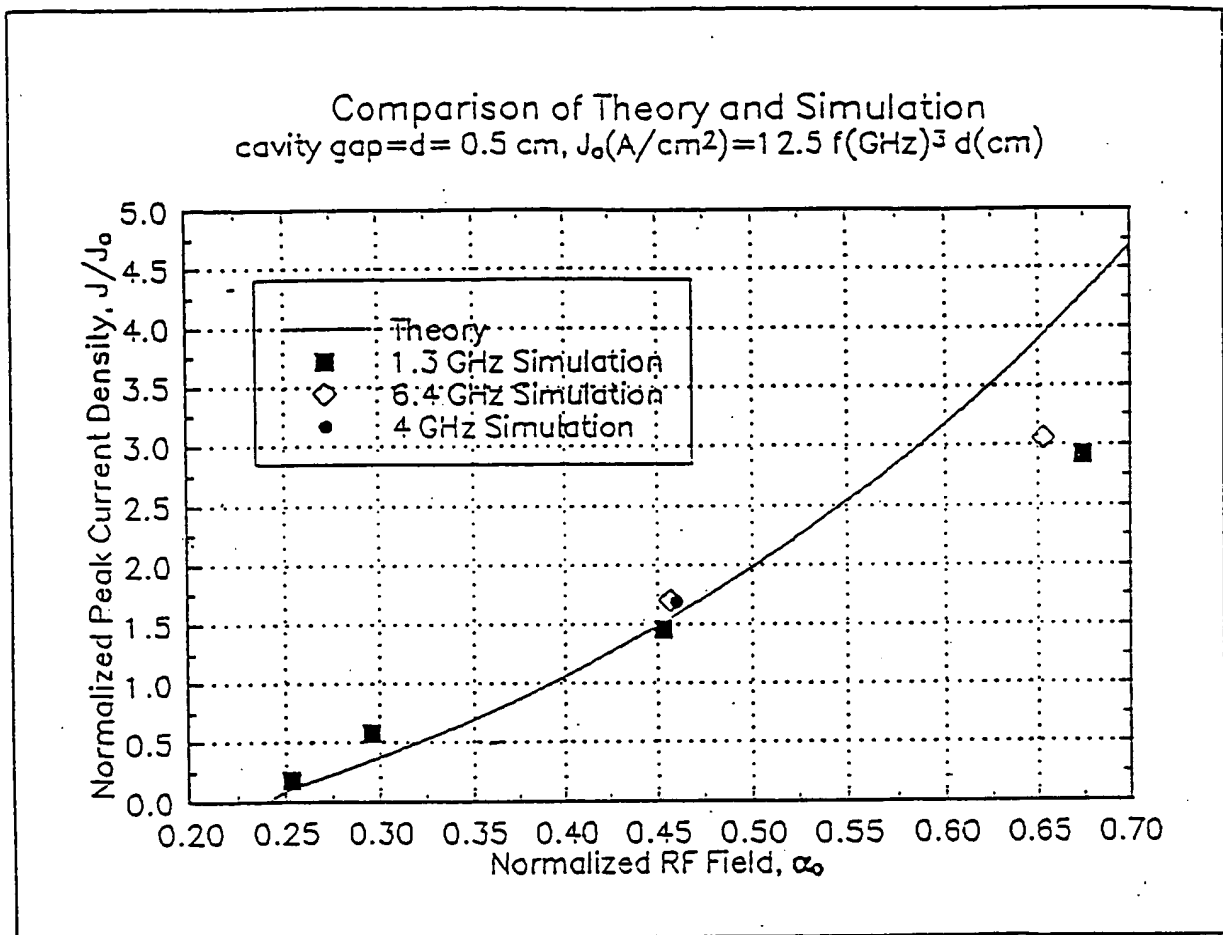


FIGURE 17

2050E0*22056660

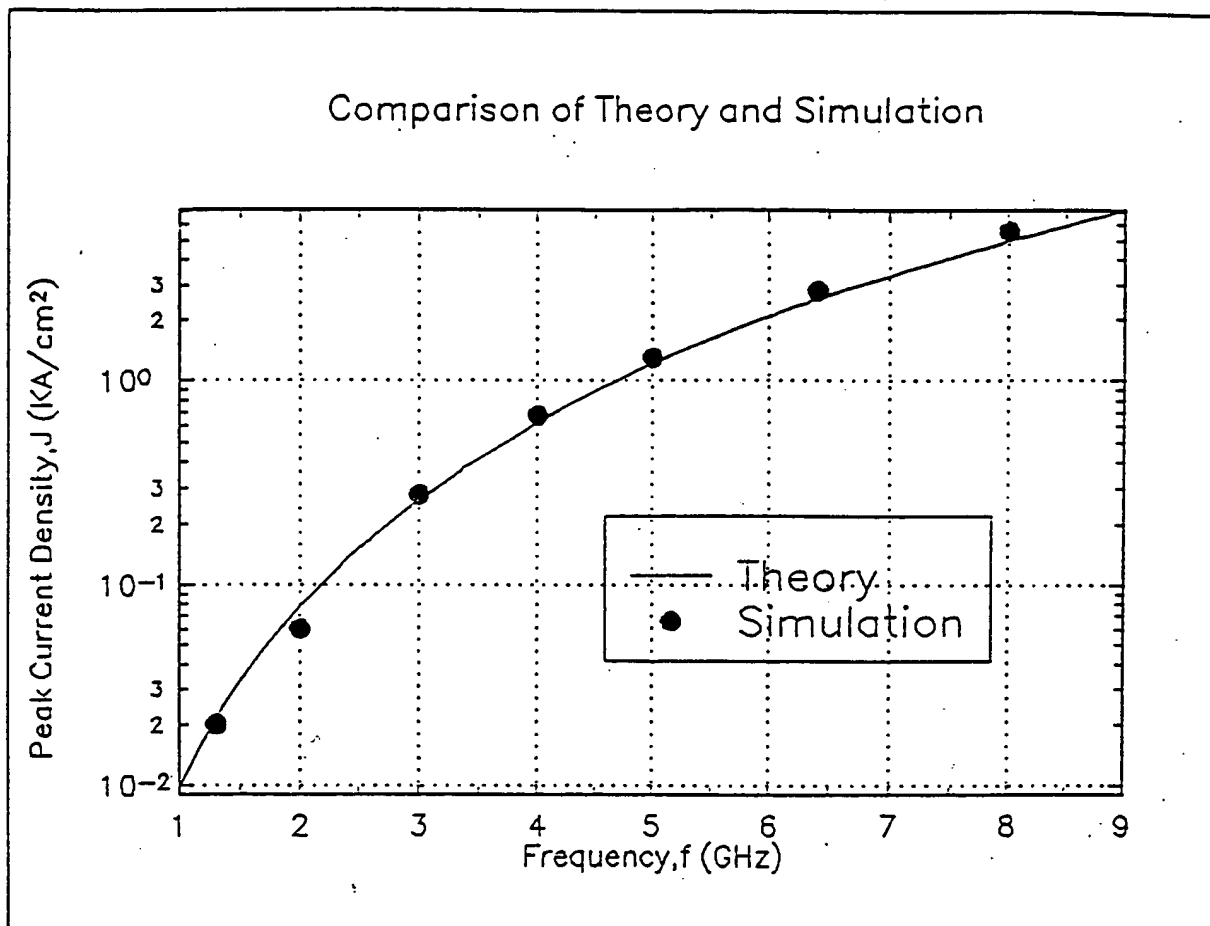


FIGURE 18

205070 205650

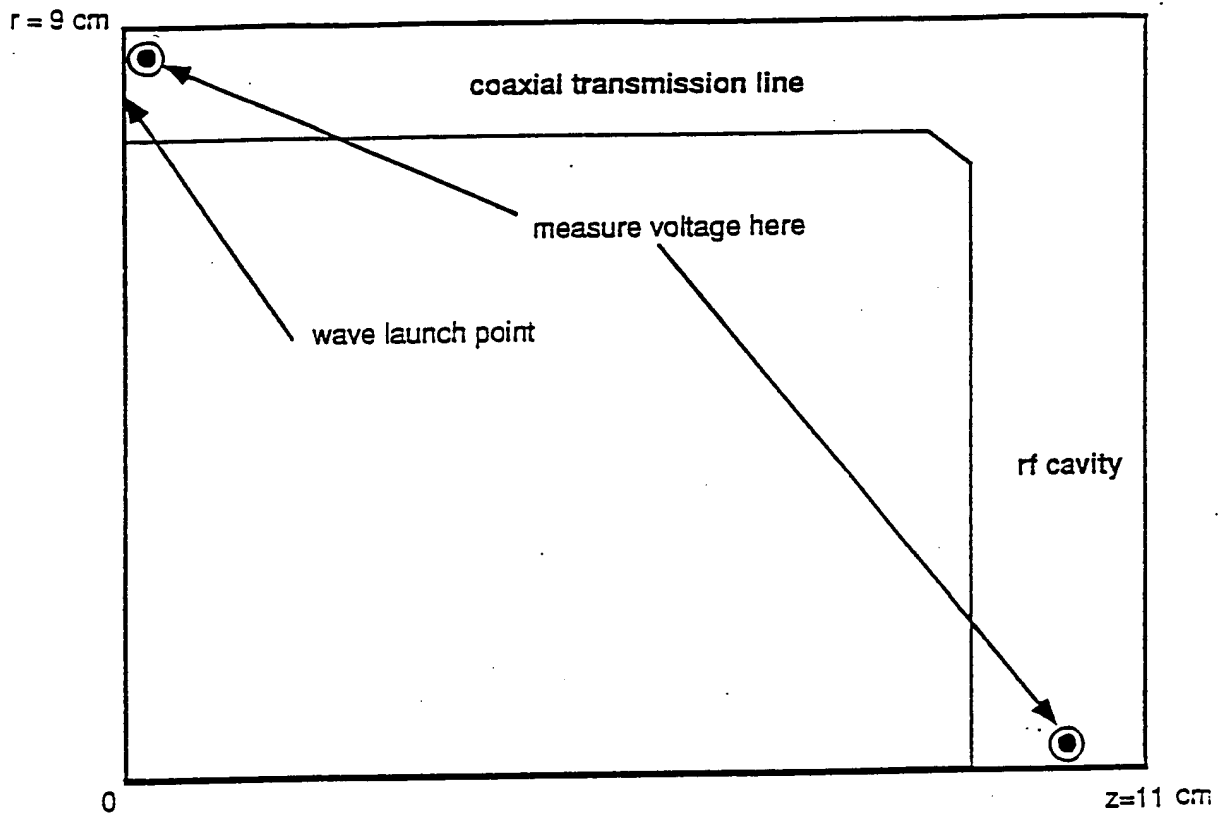


FIGURE 19

2050E07/056560

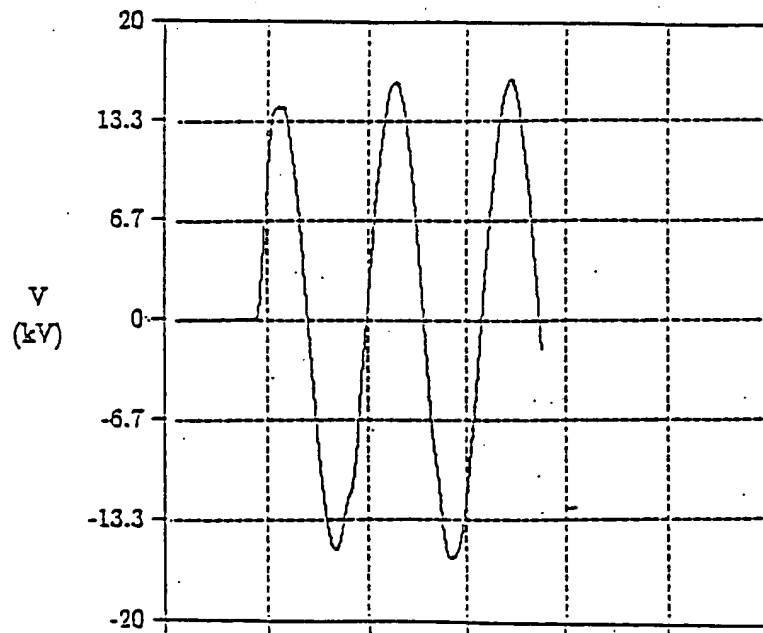
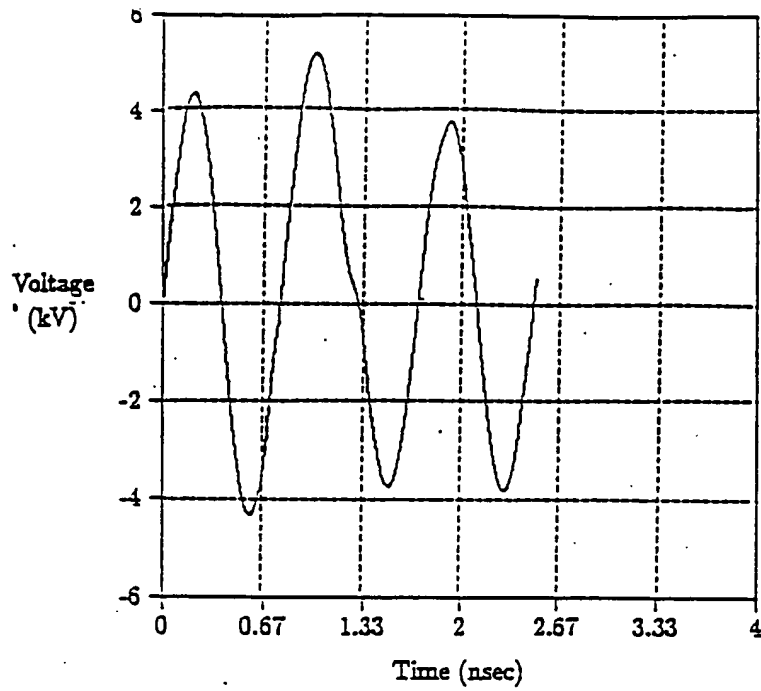


FIGURE 20

Electric Field vs Radius for an Ideal and a Coaxially Fed Cavity
TM₀₁₀ mode at 1.275 GHz, Cavity Gap=1 cm, Coaxial Gap=1 cm

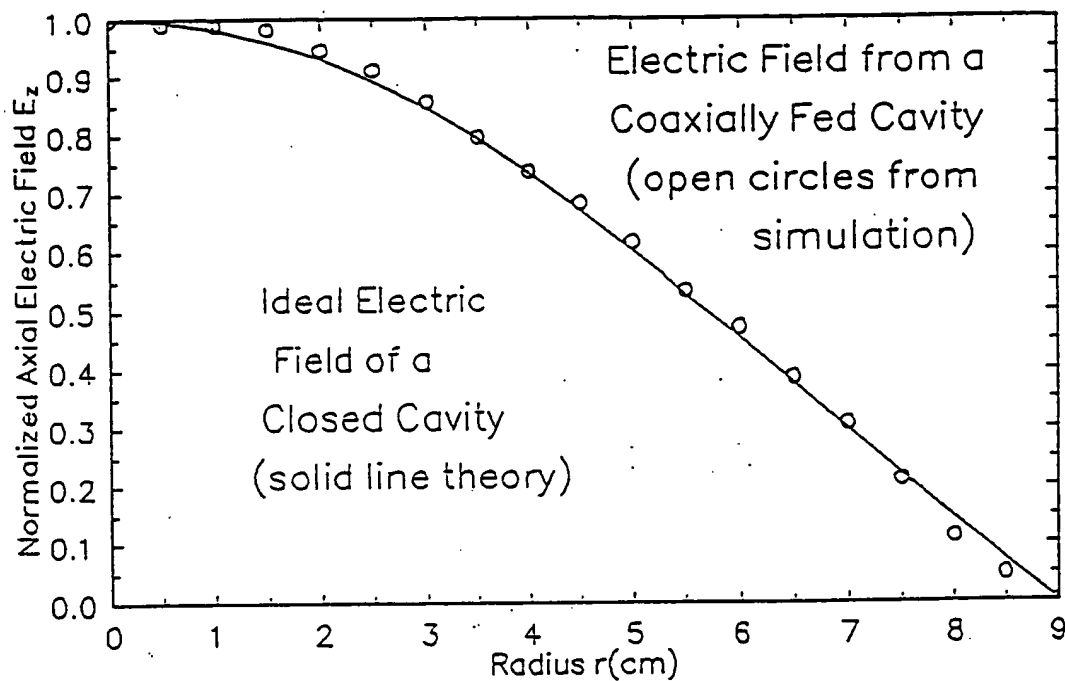


FIGURE 21

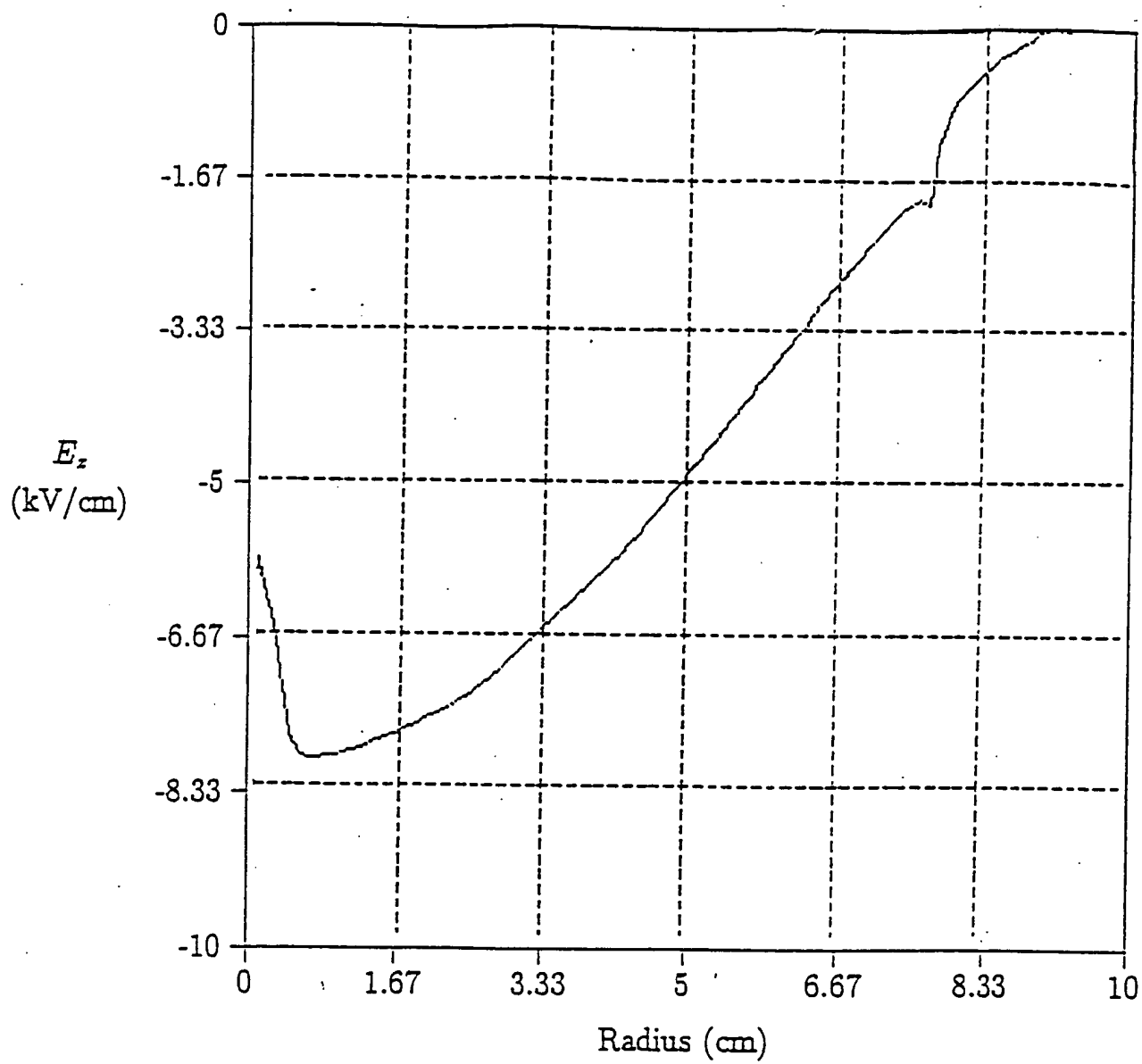


FIGURE 22

205060" 22056660

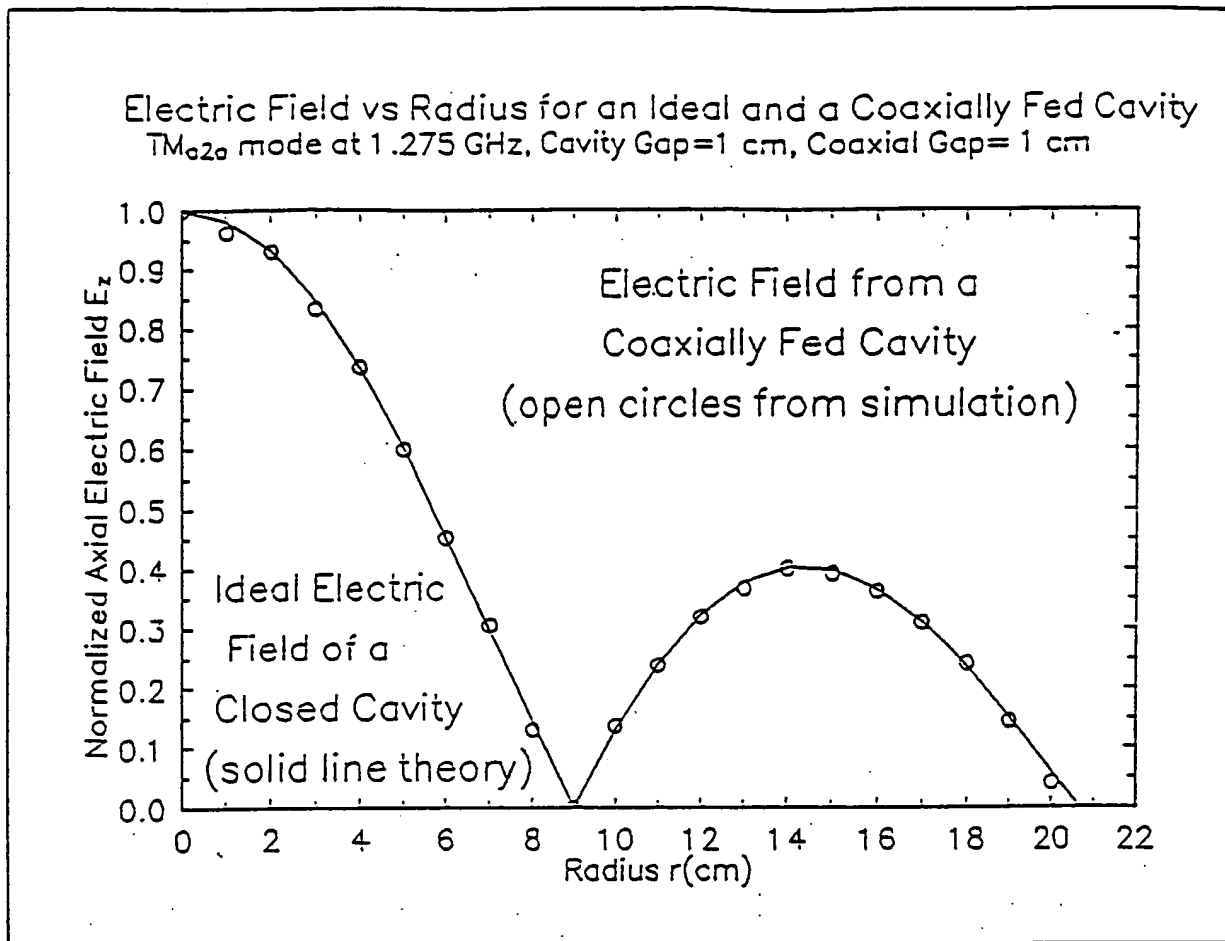


FIGURE 23

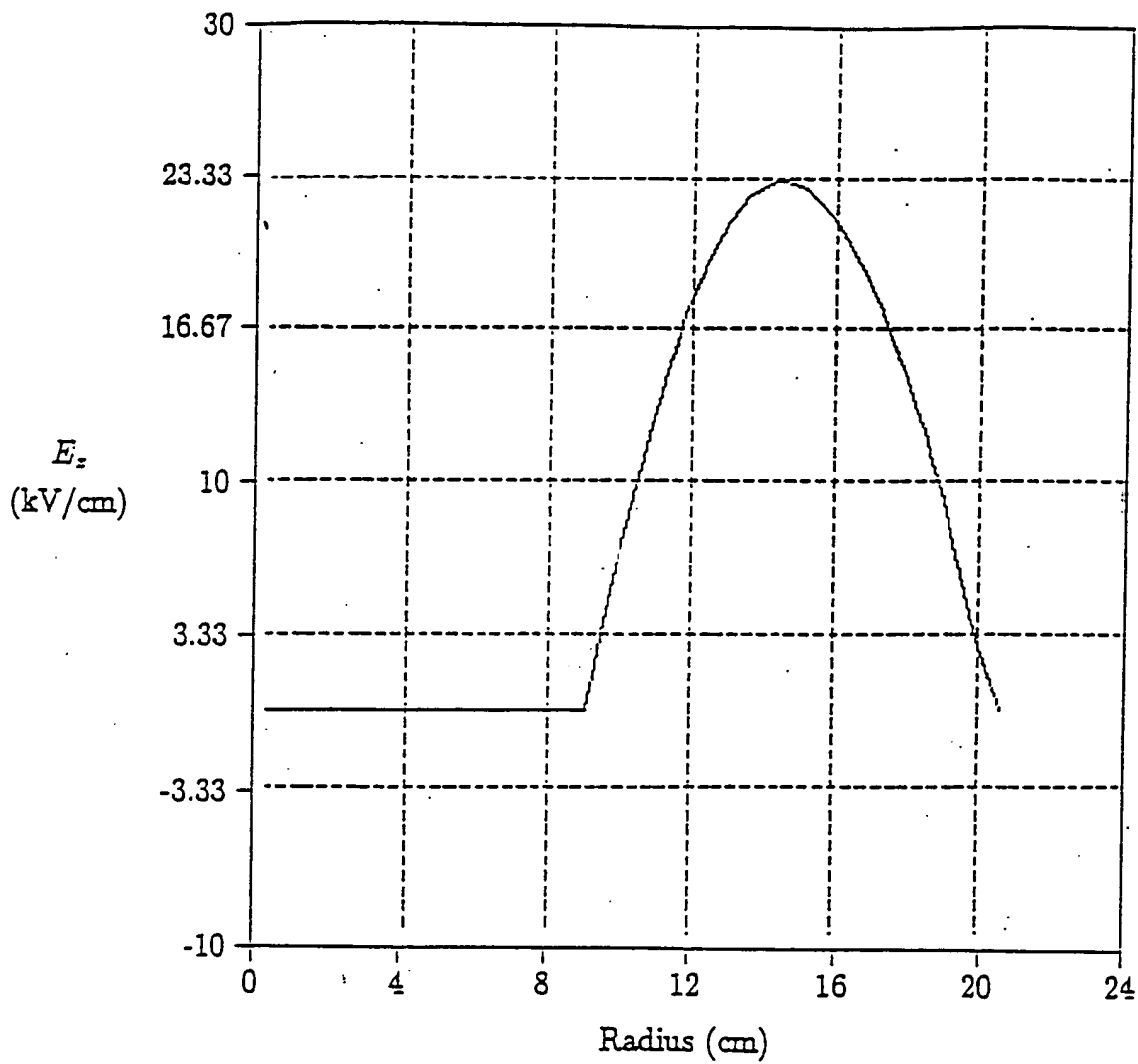


FIGURE 24

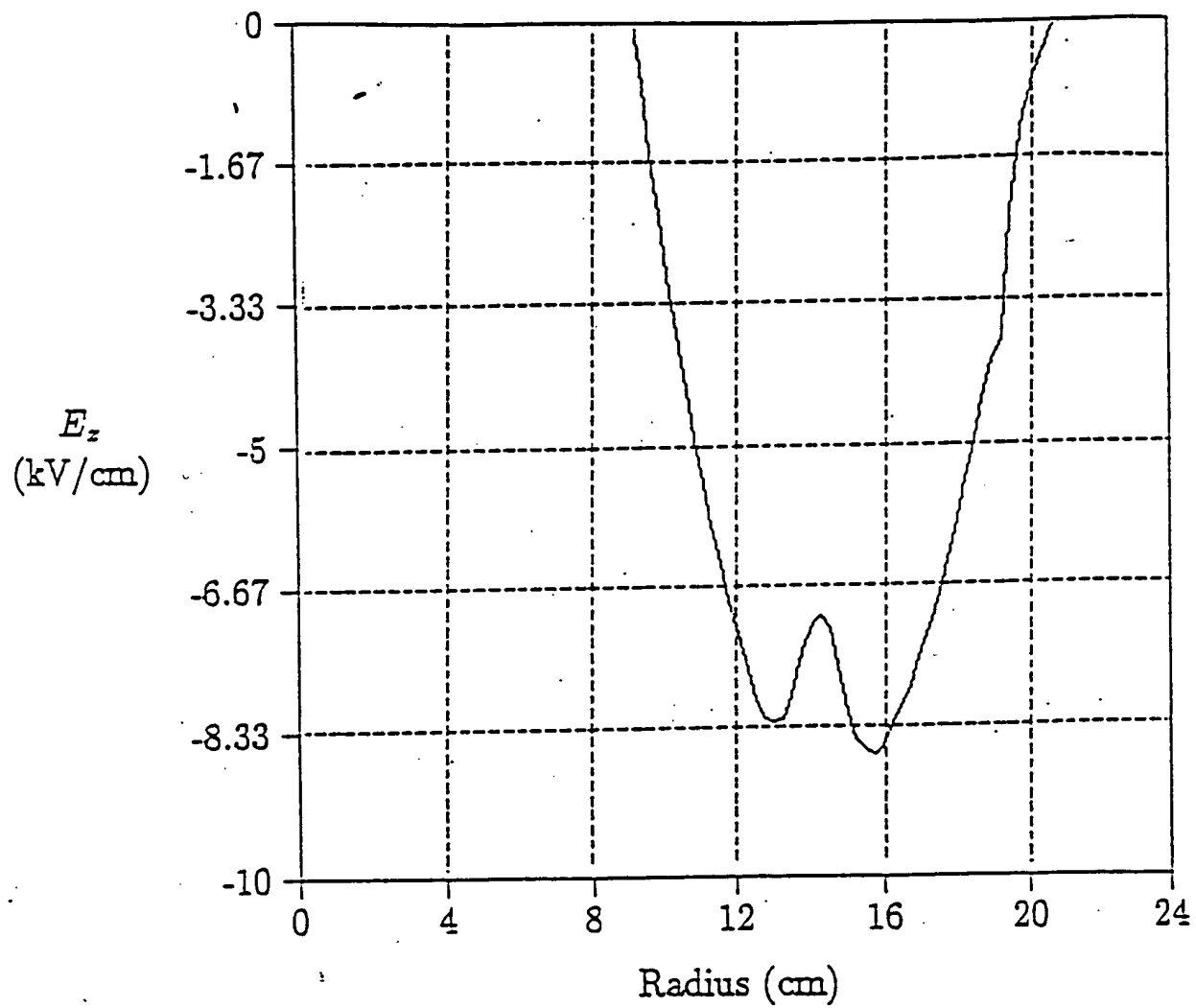


FIGURE 25

2050E0" 24056650

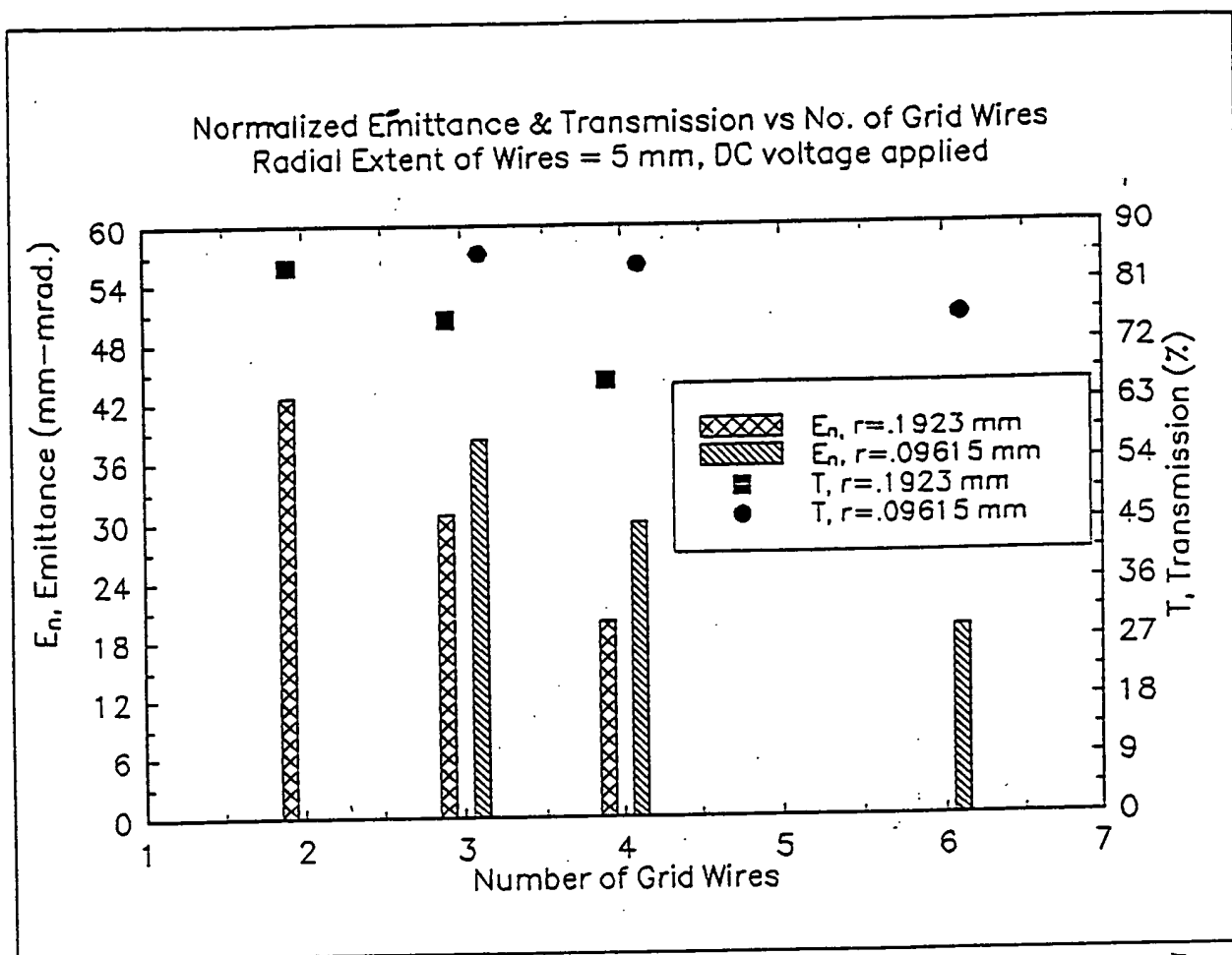


FIGURE 26

099507-030500

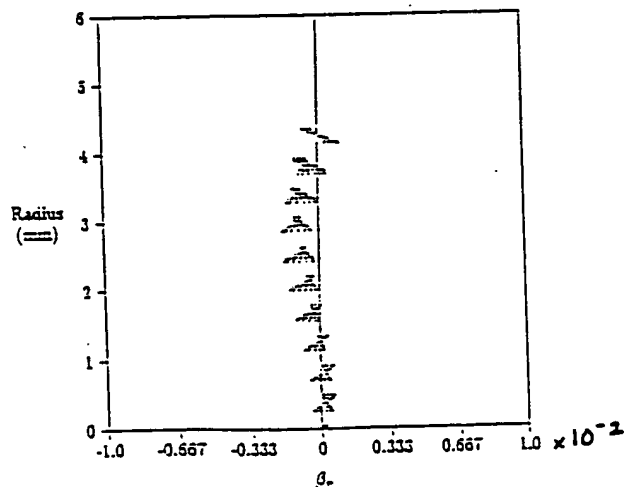
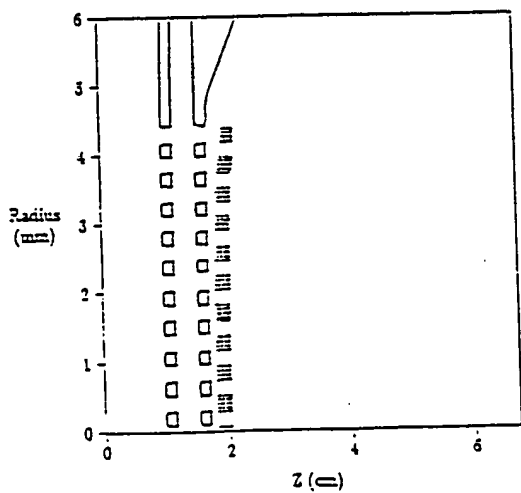
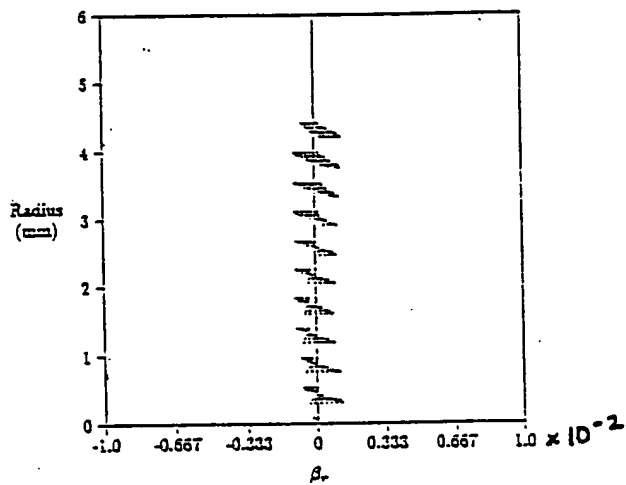
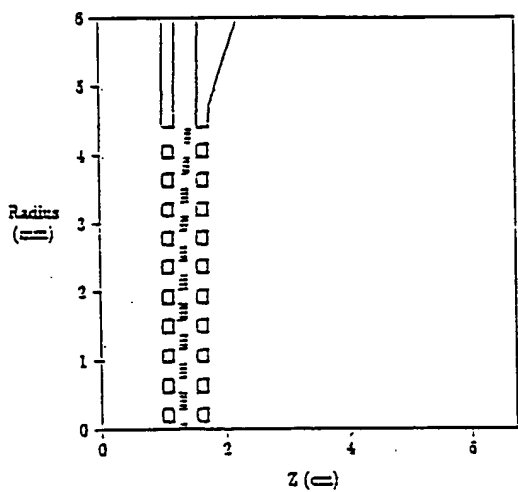
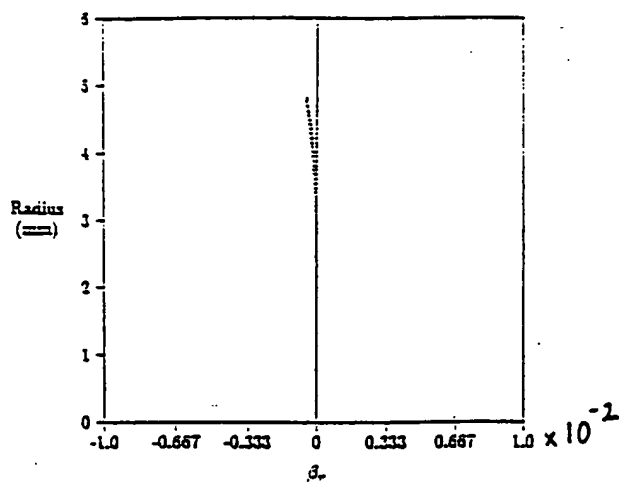
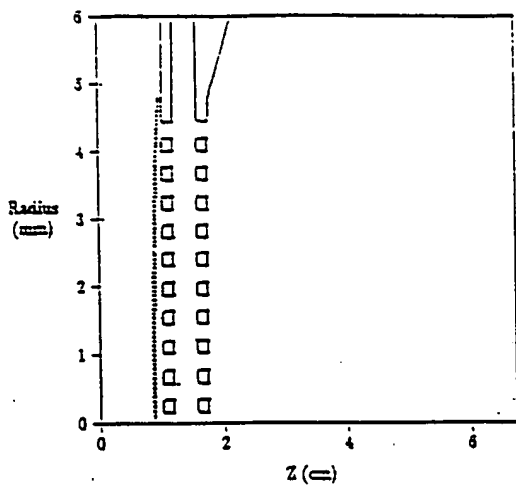


FIGURE 27

205060" 44056660

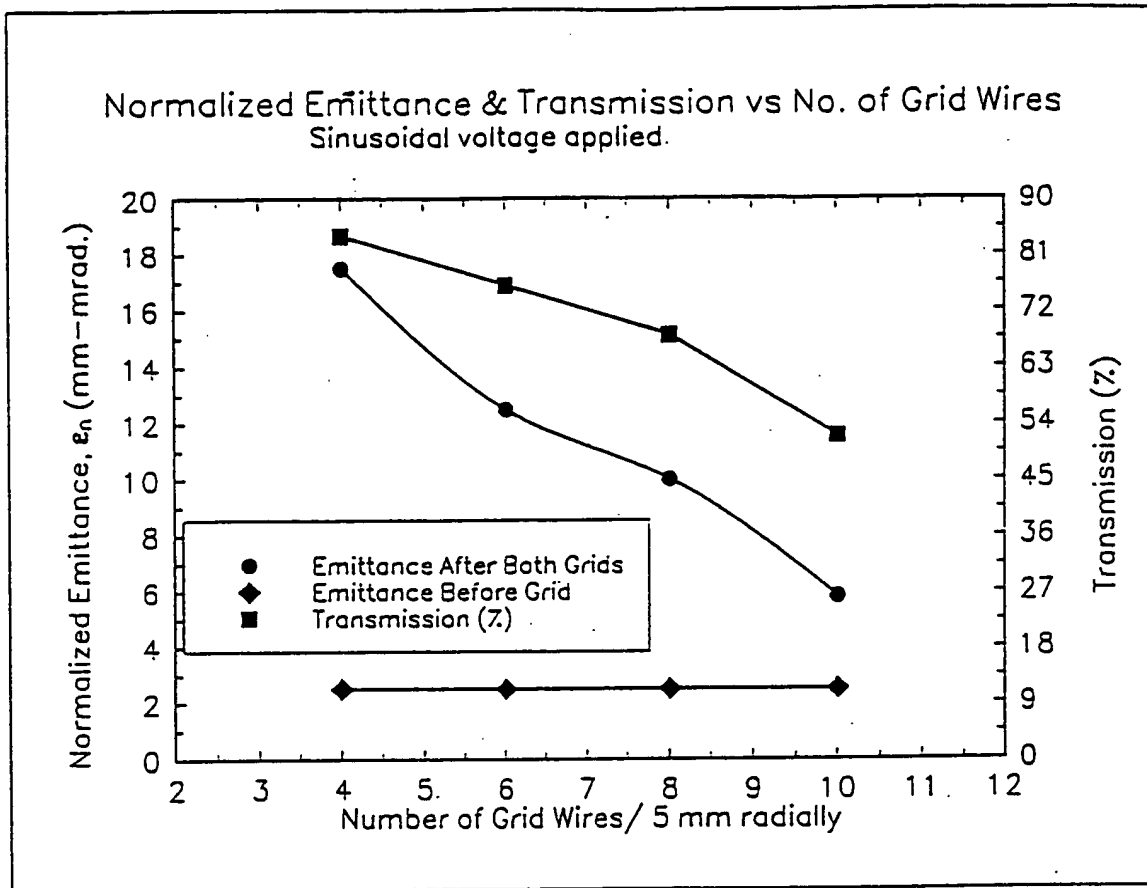


FIGURE 28

2050807 2056660

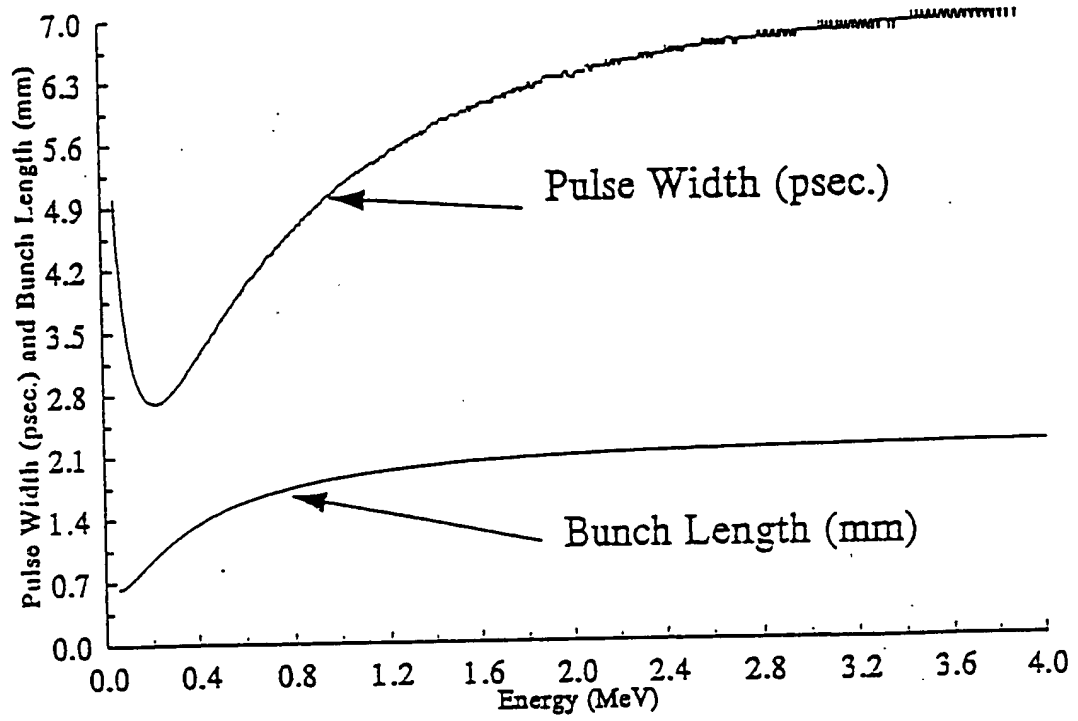


FIGURE 29

09995077.030502

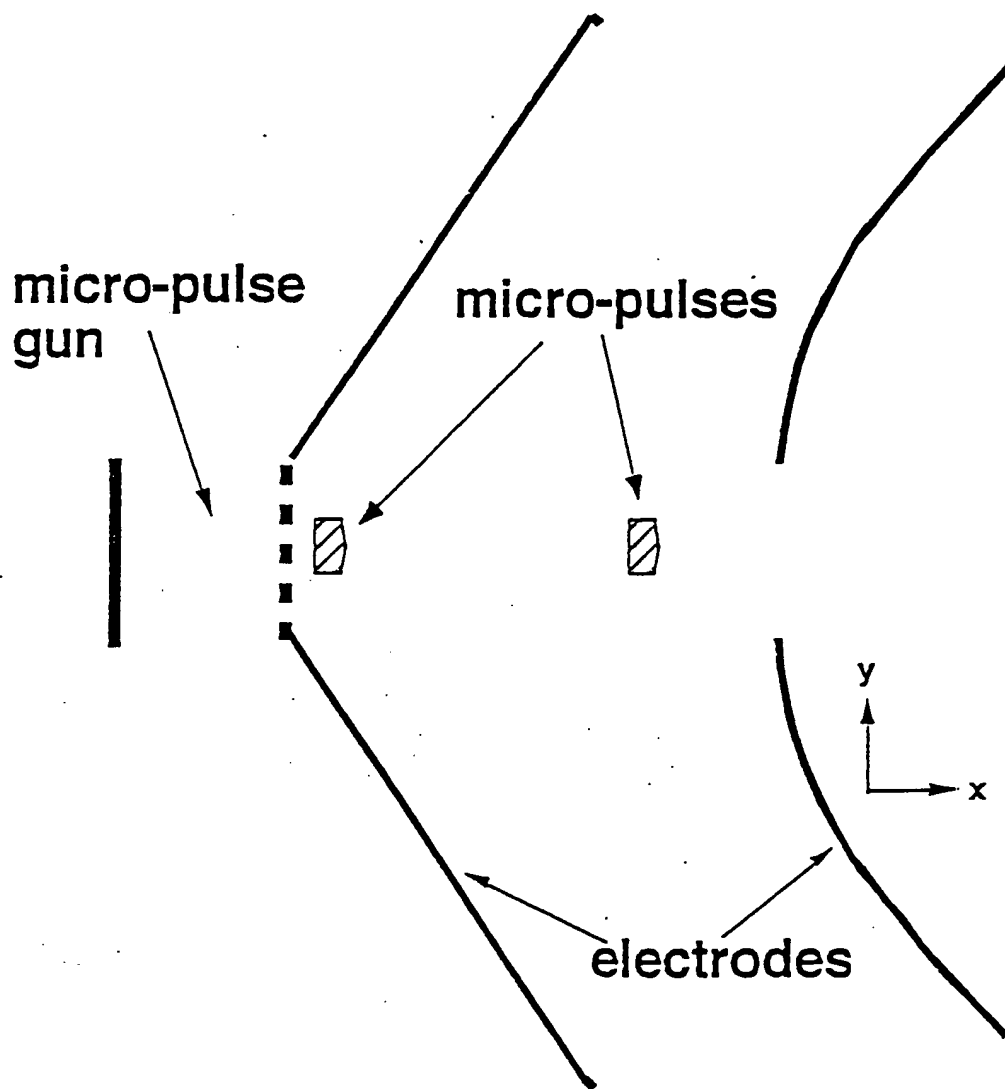


FIGURE 30

2050E0" 22056660

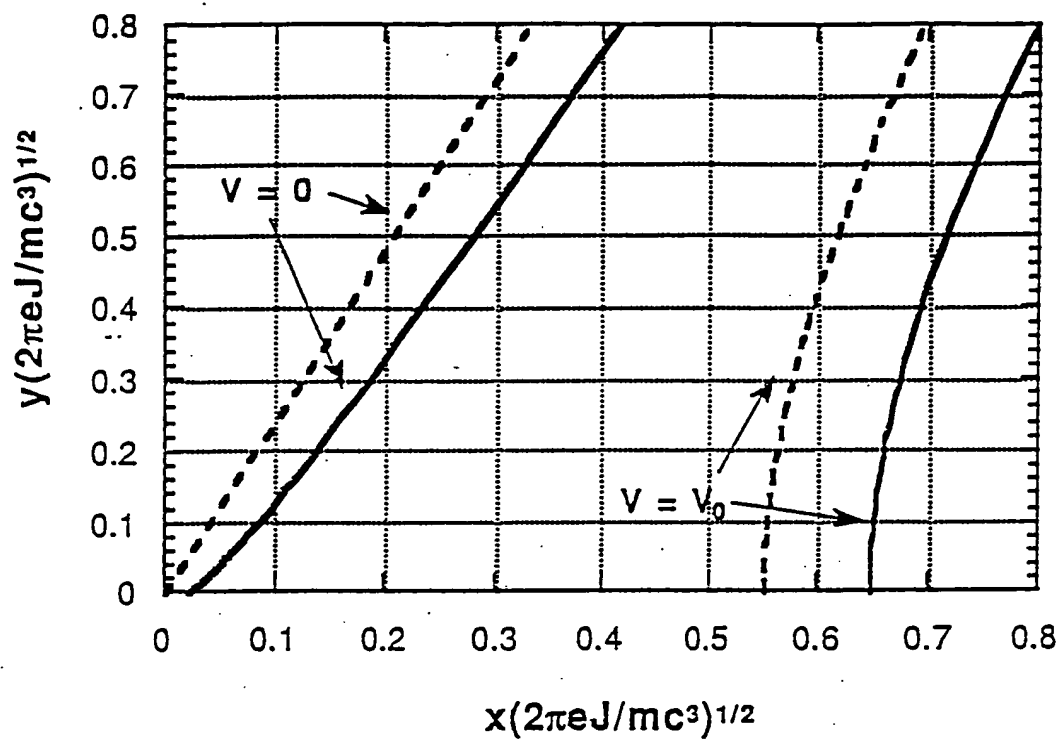


FIGURE 31

09995077.030502
2050E0' 4056660

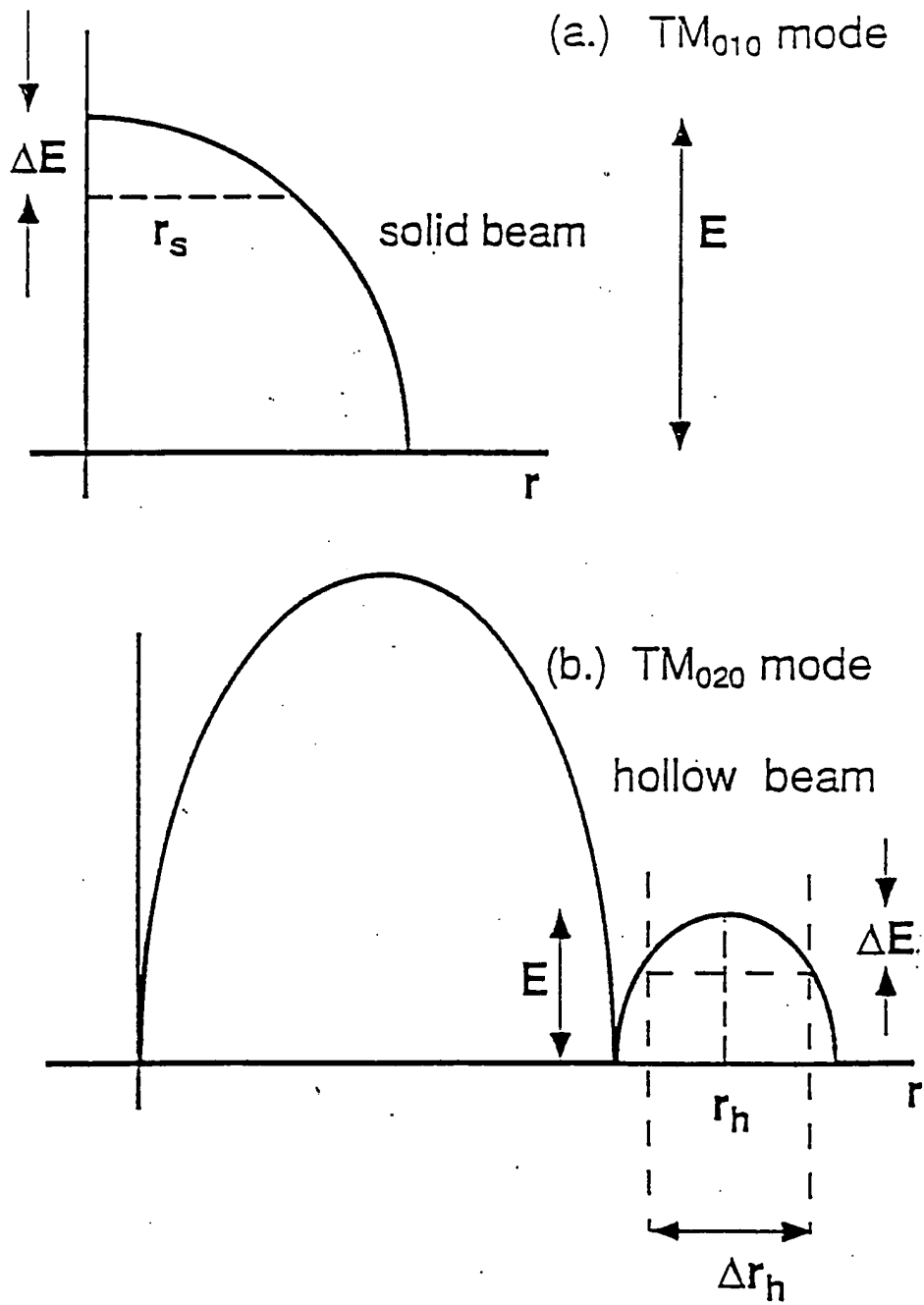


FIGURE 32

205030" 22056660

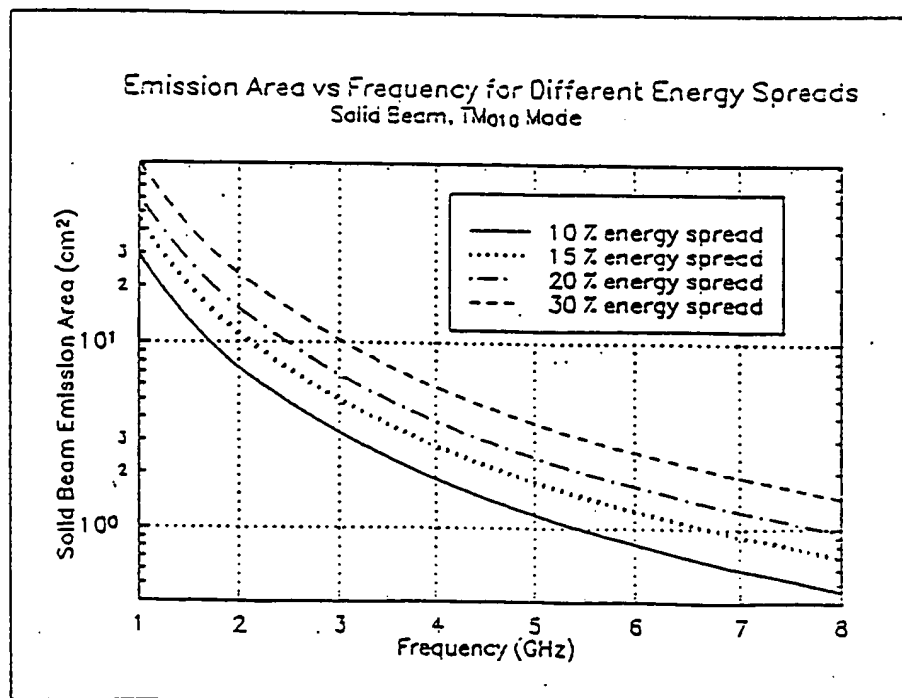
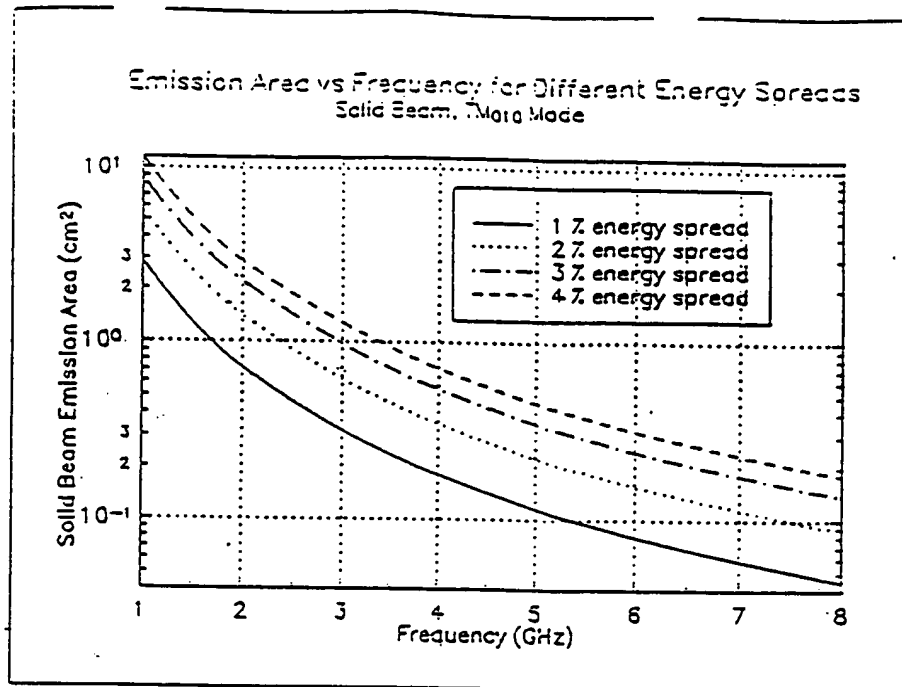
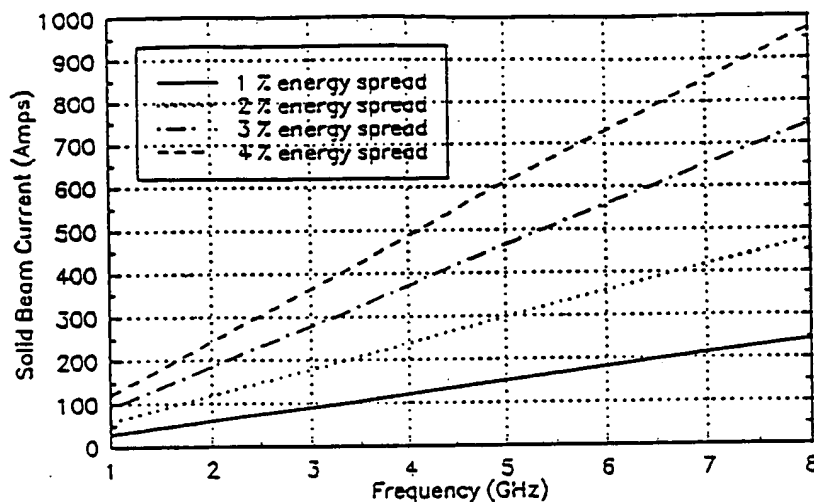


FIGURE 33

Beam Current vs Frequency for Different Energy Spreads
Solid Beam, TM₀₁₀ Mode, $\alpha_0=0.453$, $d=0.5$ cm



Beam Current vs Frequency for Different Energy Spreads
Solid Beam, TM₀₁₀ Mode, $\alpha_0=0.453$, $d=0.5$ cm

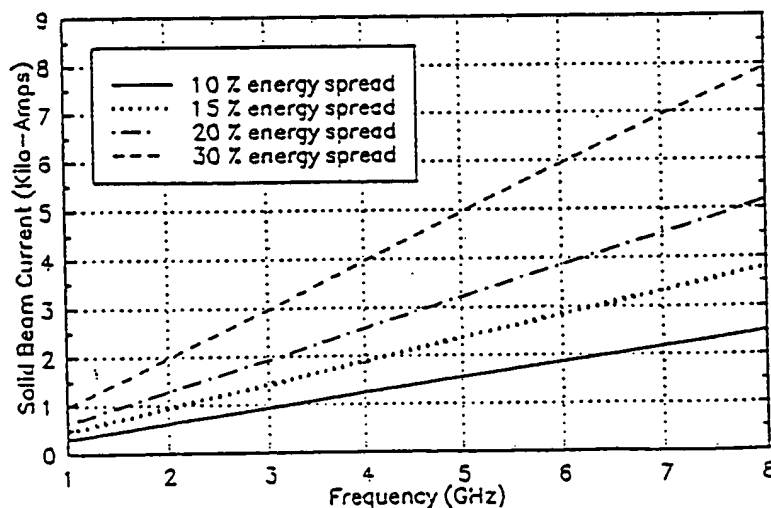


FIGURE 34

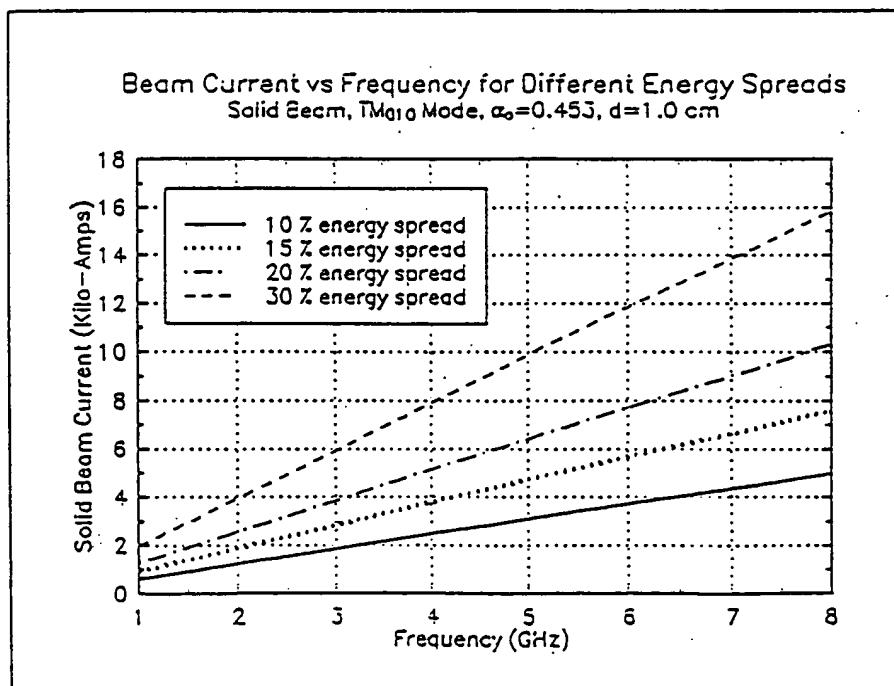
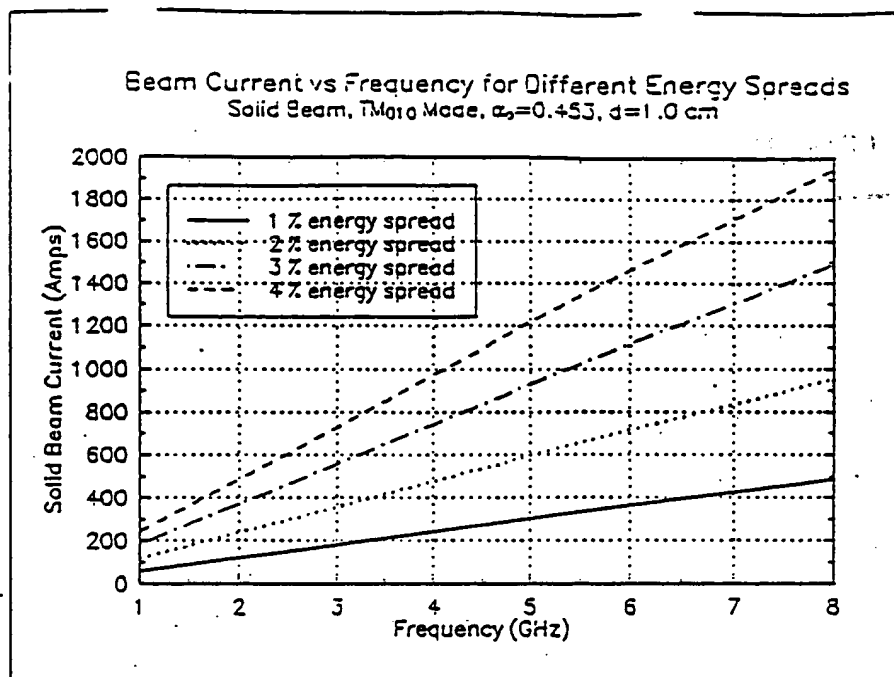


FIGURE 35

205080" 42056660

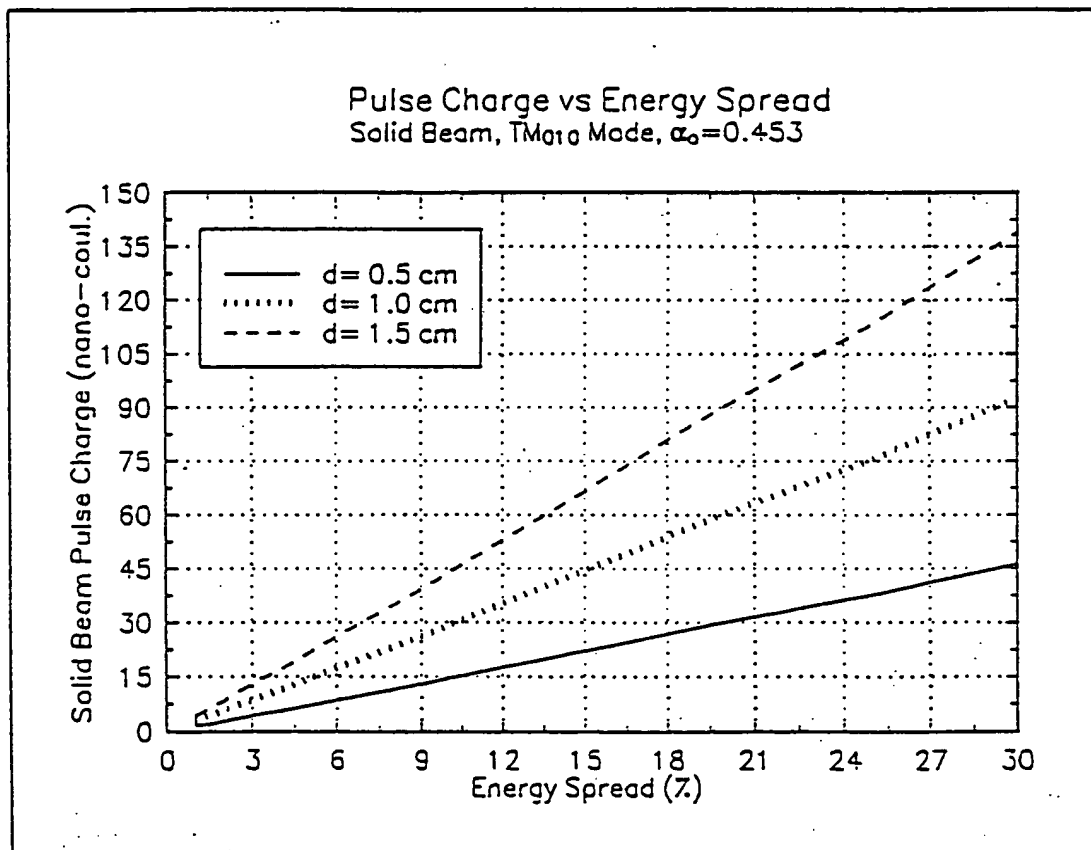


FIGURE 36

2050E0" 22056660

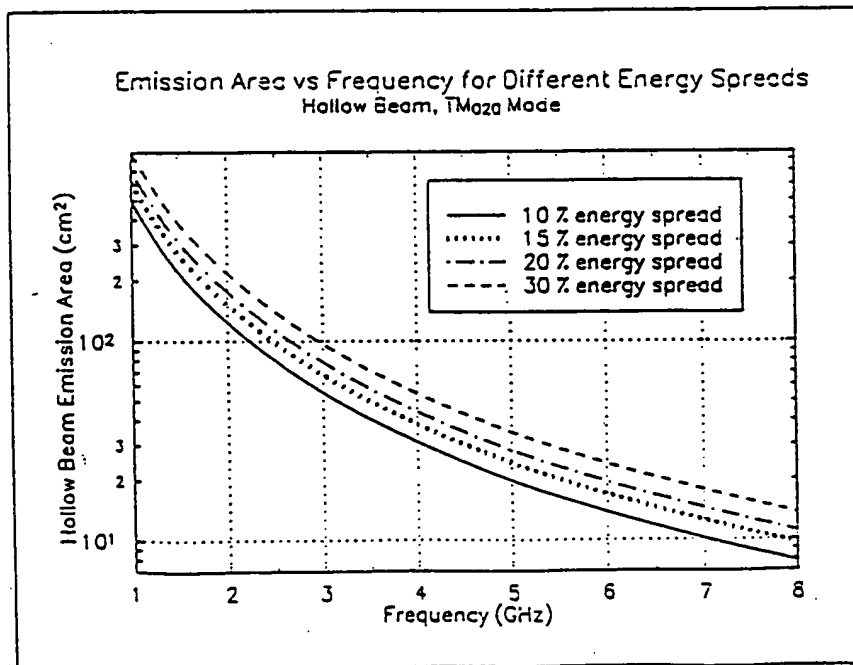
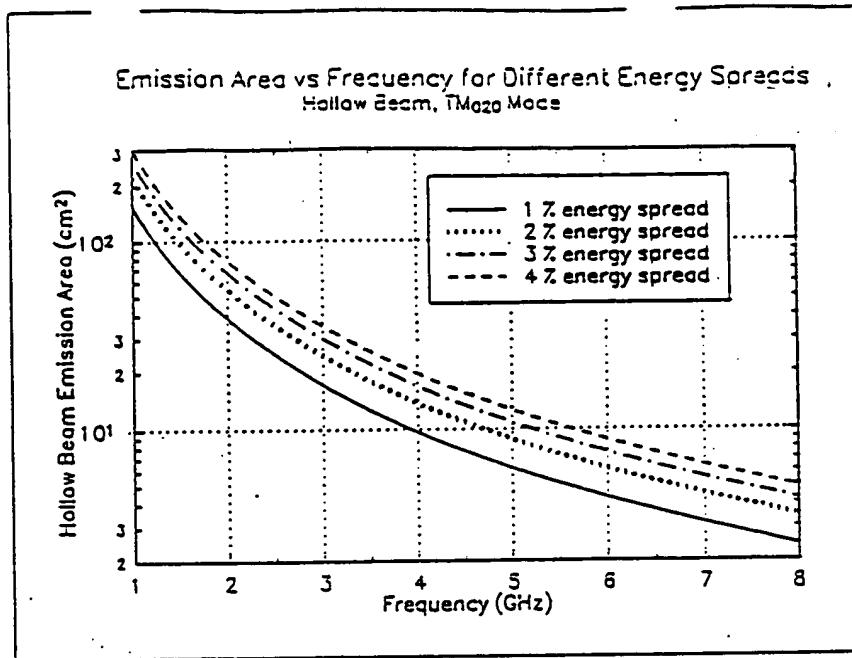


FIGURE 37

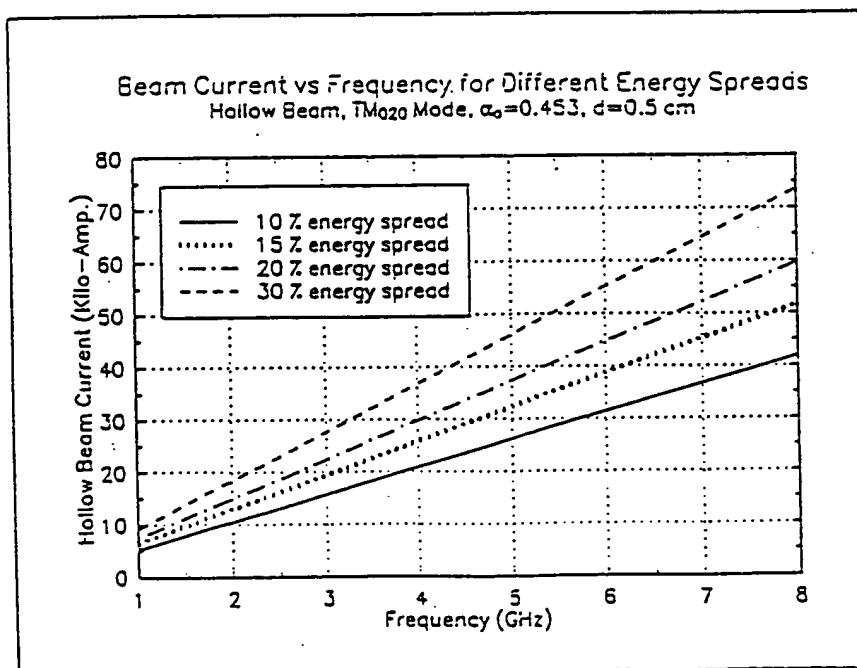
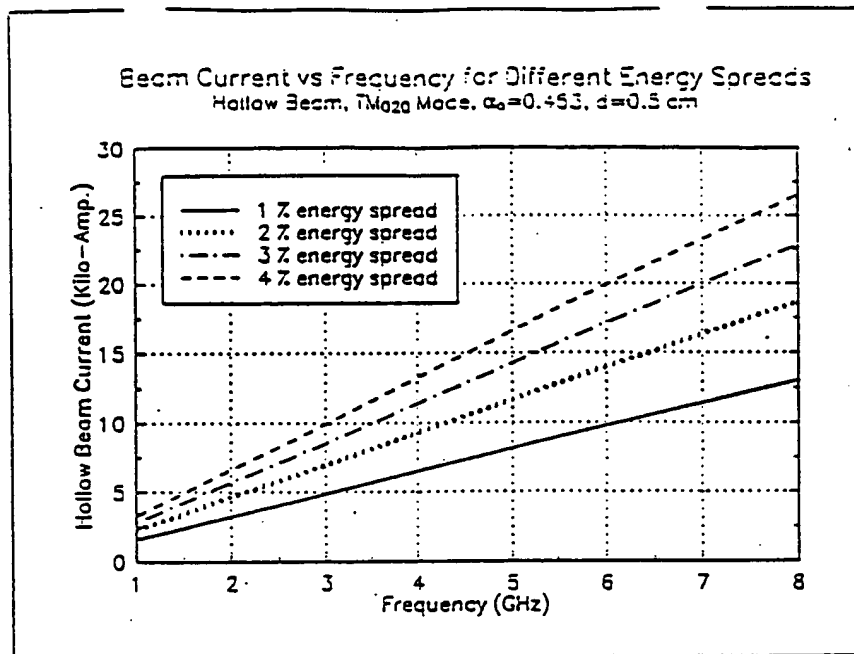


FIGURE 38

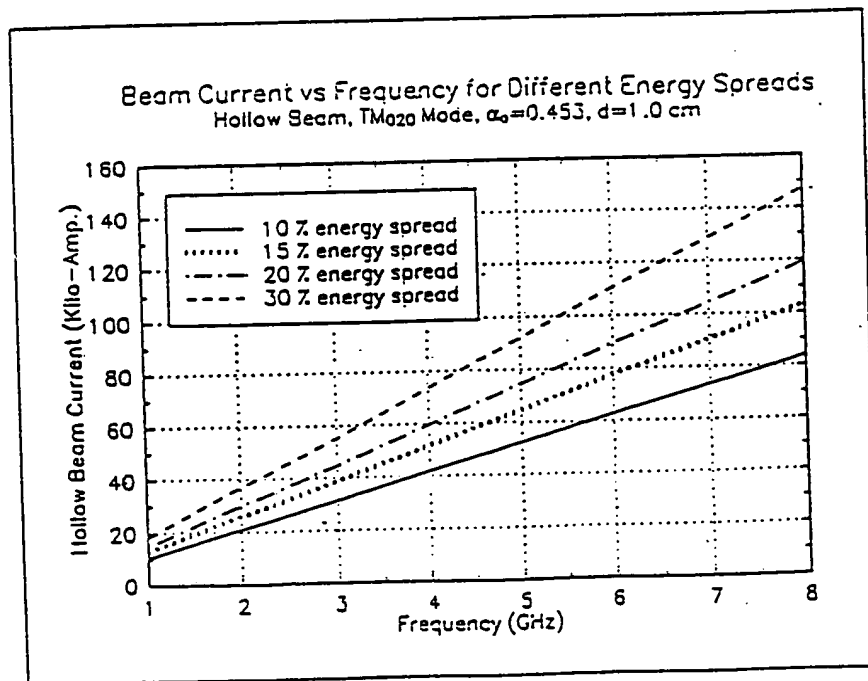
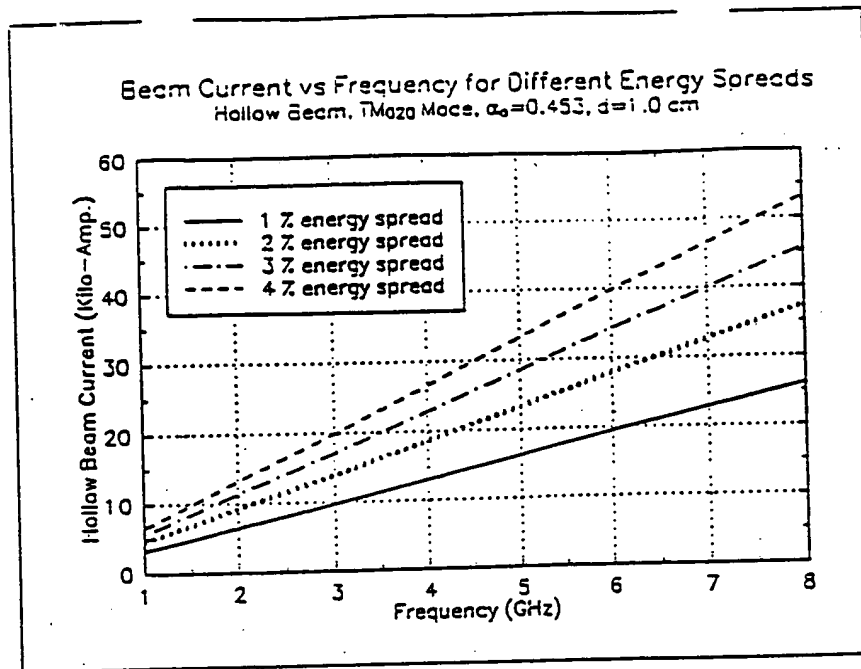


FIGURE 39

205080" 42056660

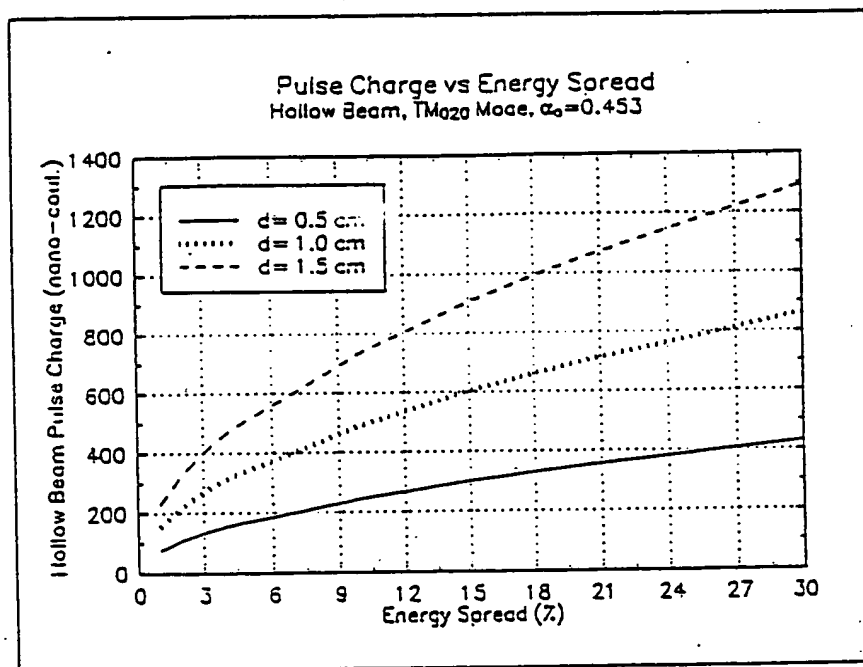


FIGURE 4D

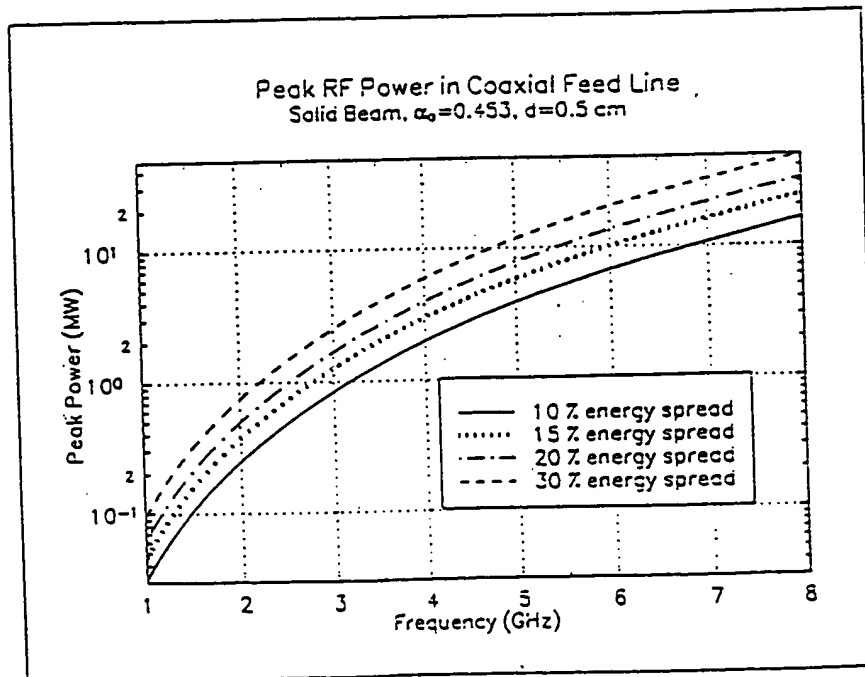
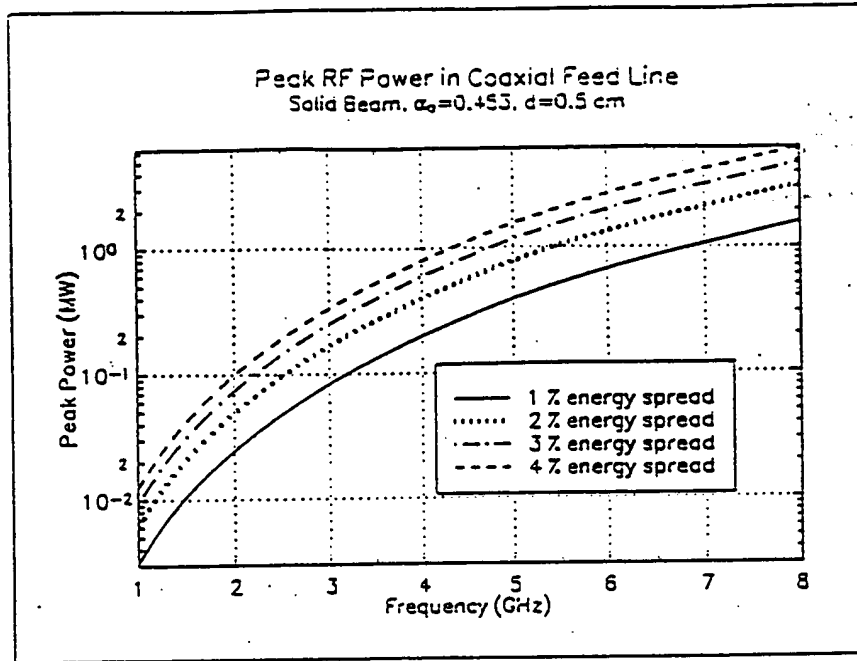


FIGURE 41

2050E0" 4056560

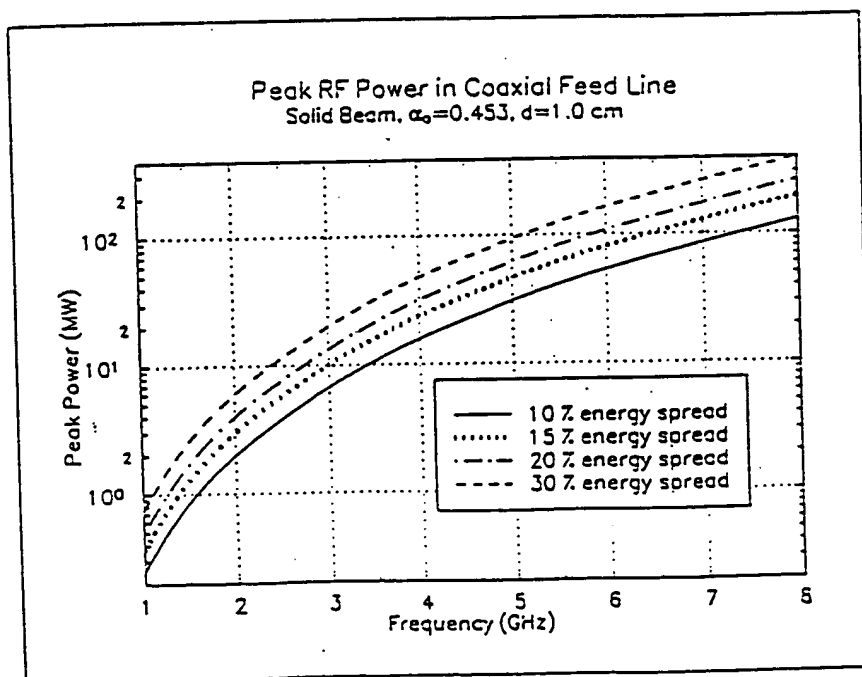
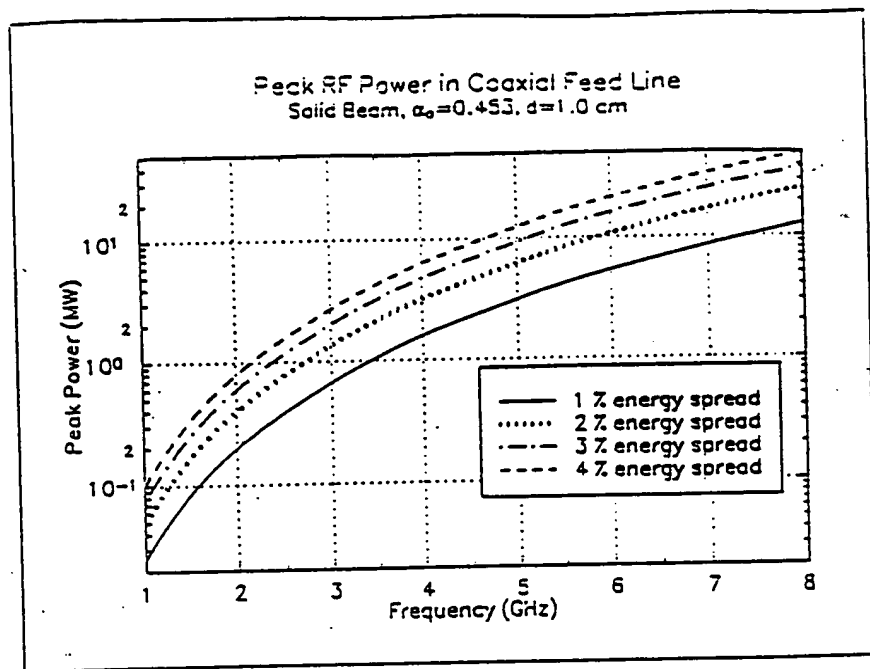


FIGURE 42

2050E0" / 2056660

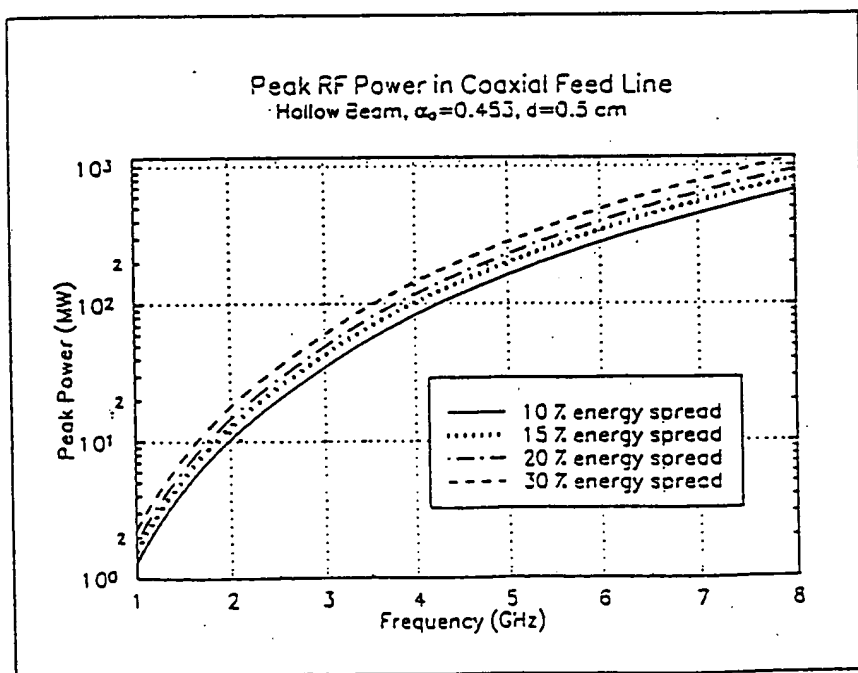
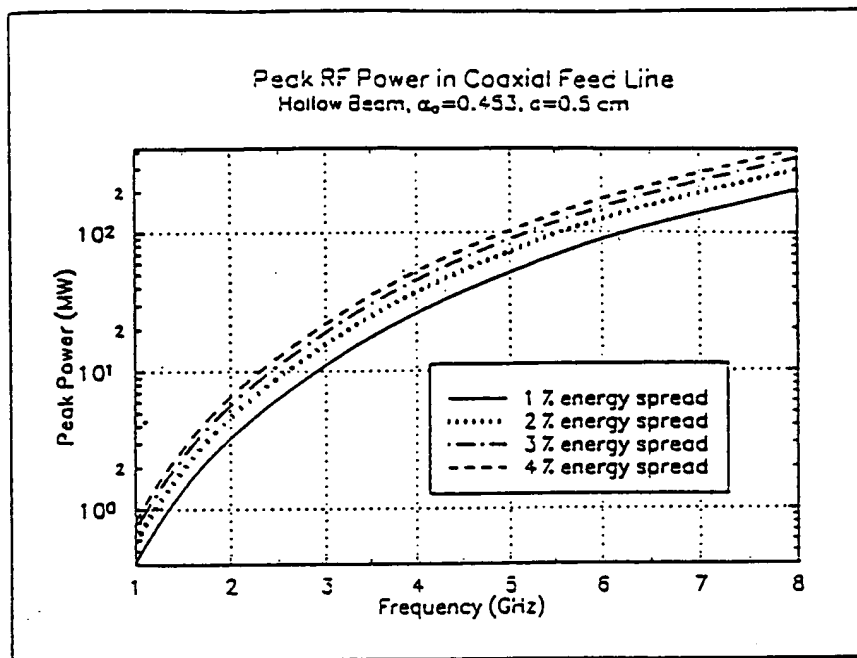


FIGURE 43

2050107 01050

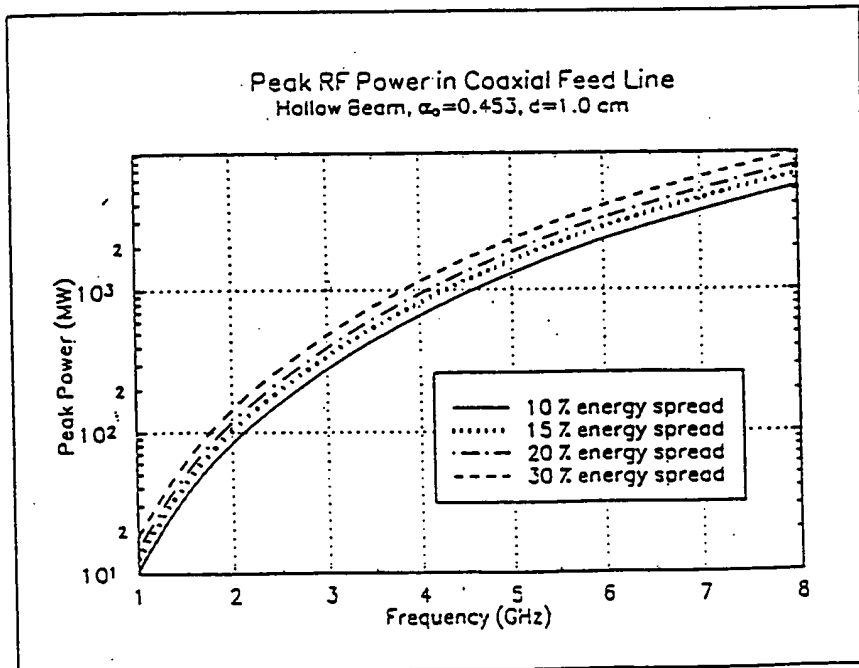
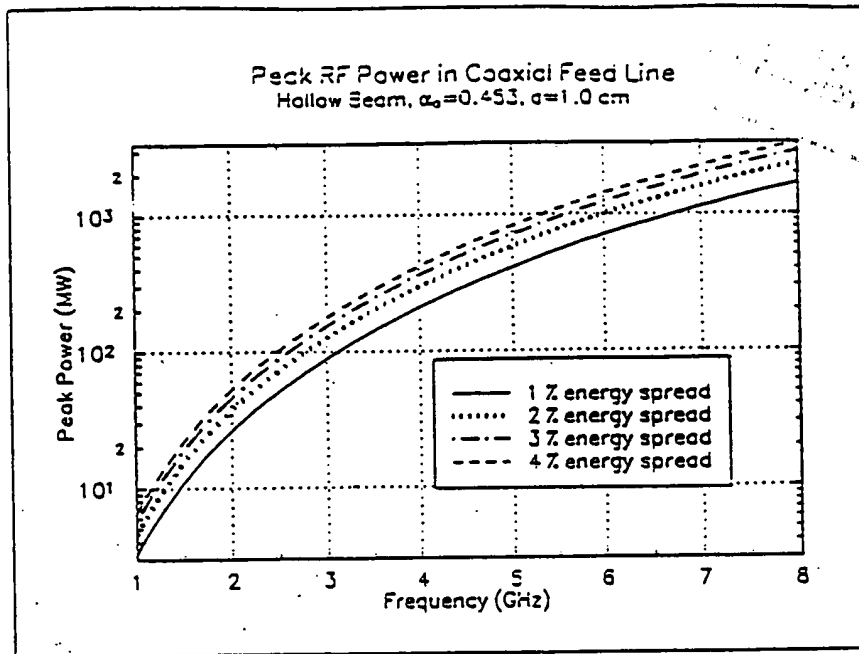


FIGURE 44

2050E0 2405660

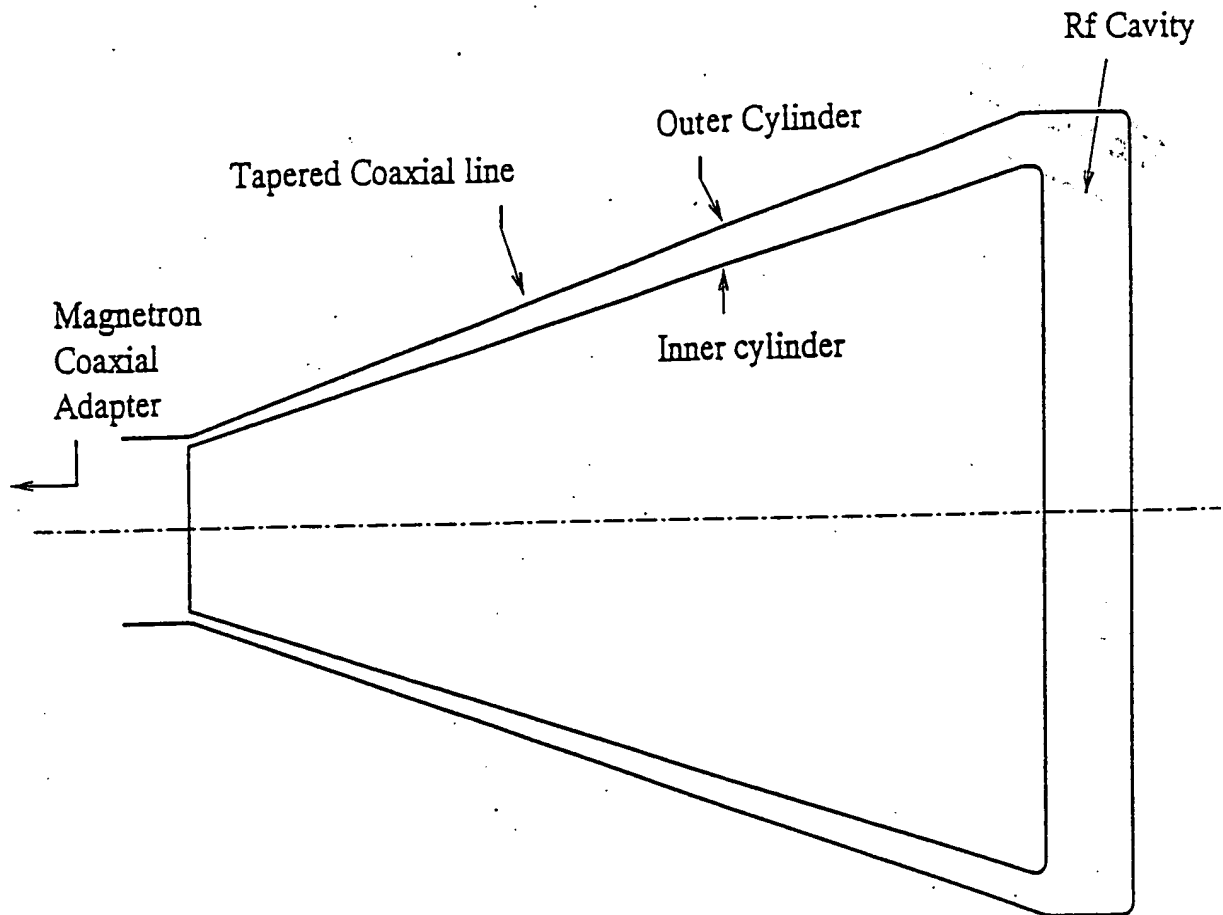


FIGURE 45

2050807.030502

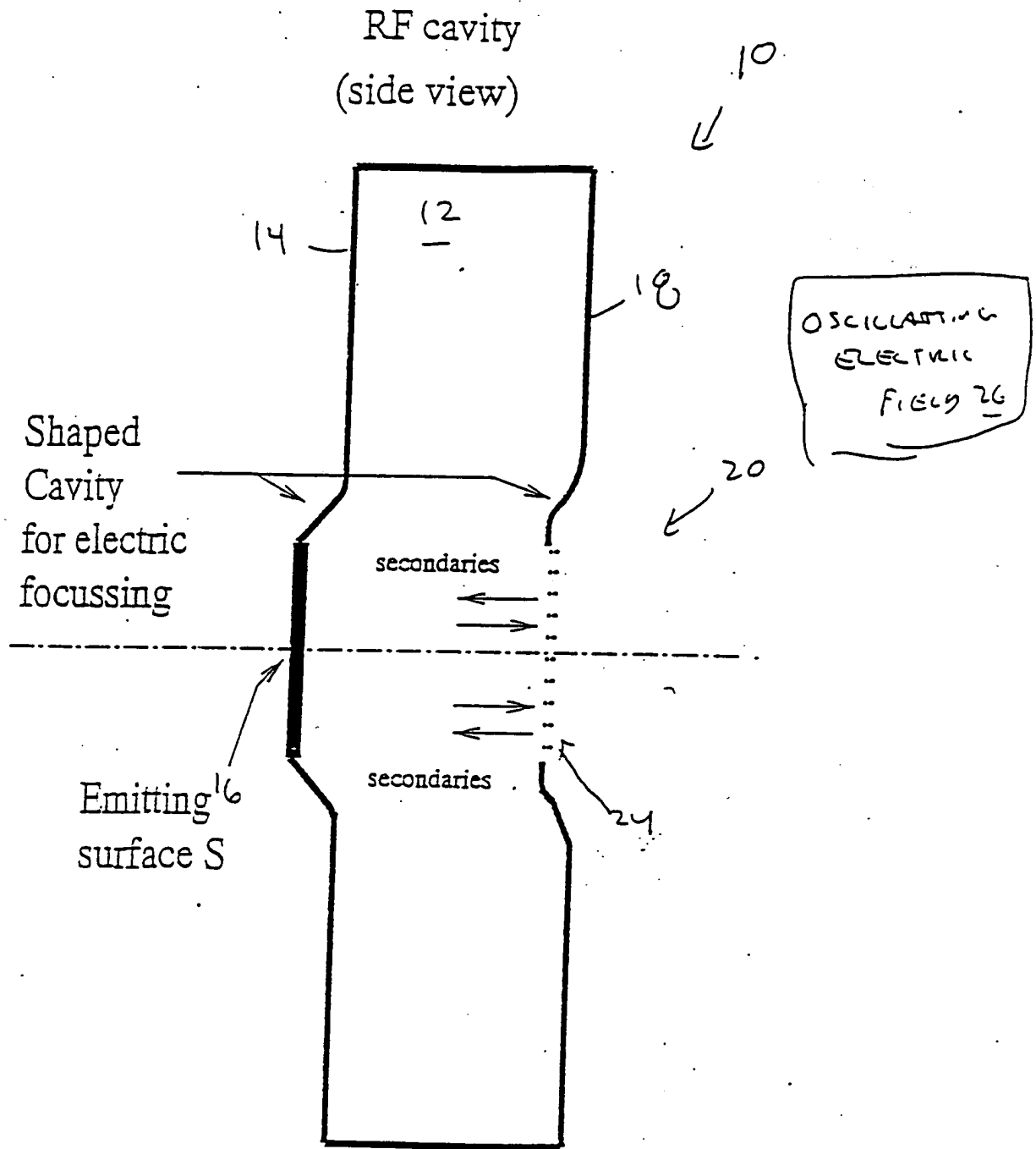


FIGURE 46